

Things to Make and Do

FOR BOYS AND GIRLS AGE 5 TO 9



THINGS TO MAKE AND DO

by
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Illustrated by
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OTTENHEIMER PUBLISHERS, INC.
BALTIMORE, MD.

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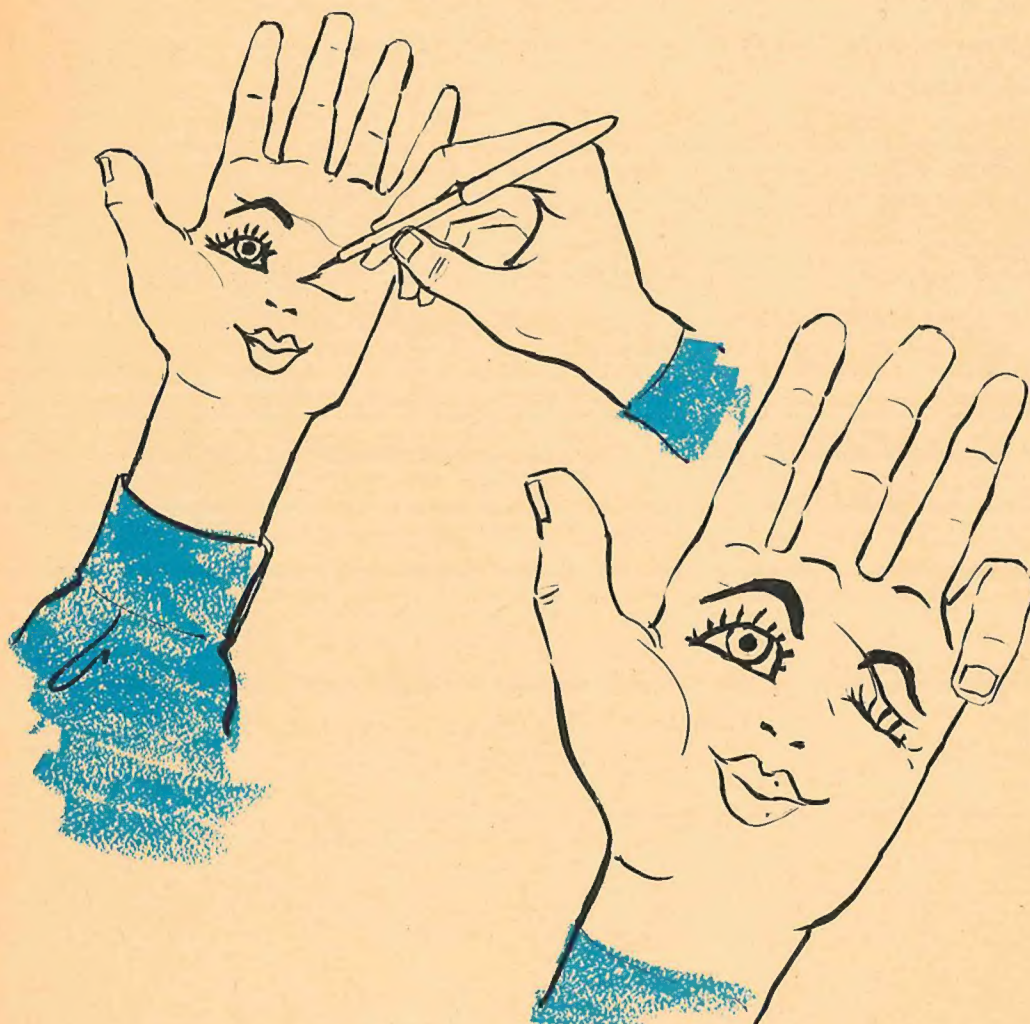
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IN THE PALM OF YOUR HAND

THIS FUNNY face drawn in the palm of your hand will wink its eyes at everybody. You can draw it yourself on your left hand, or on your right hand if you are left handed.

Mother's eyebrow pencil will do the best job. Just make sure that the left eye of the palm face crosses the top crease of your hand as shown below. Then to make this merry face wink, all you need do is bend your little finger forward.

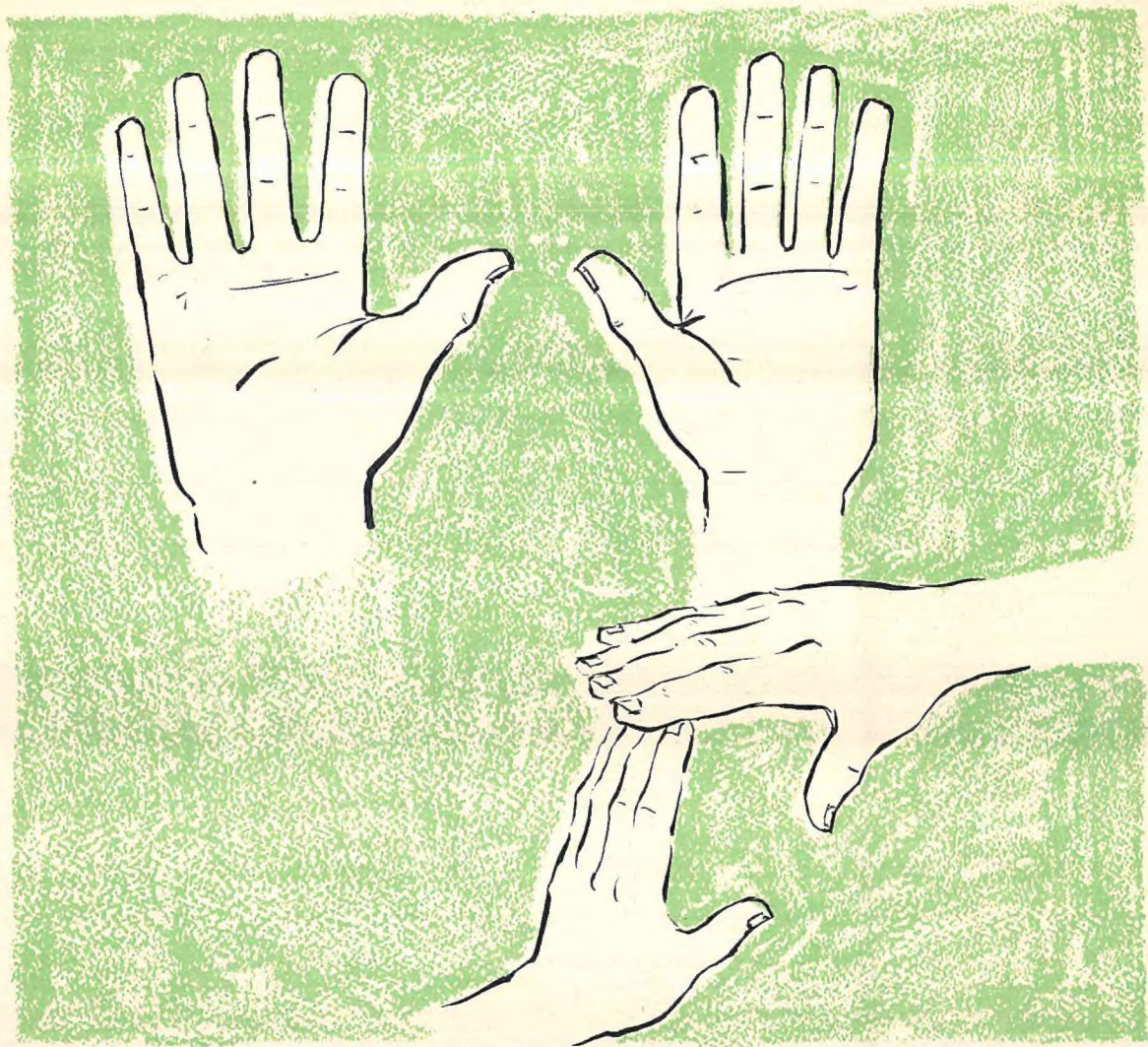


FINGER RHYMES

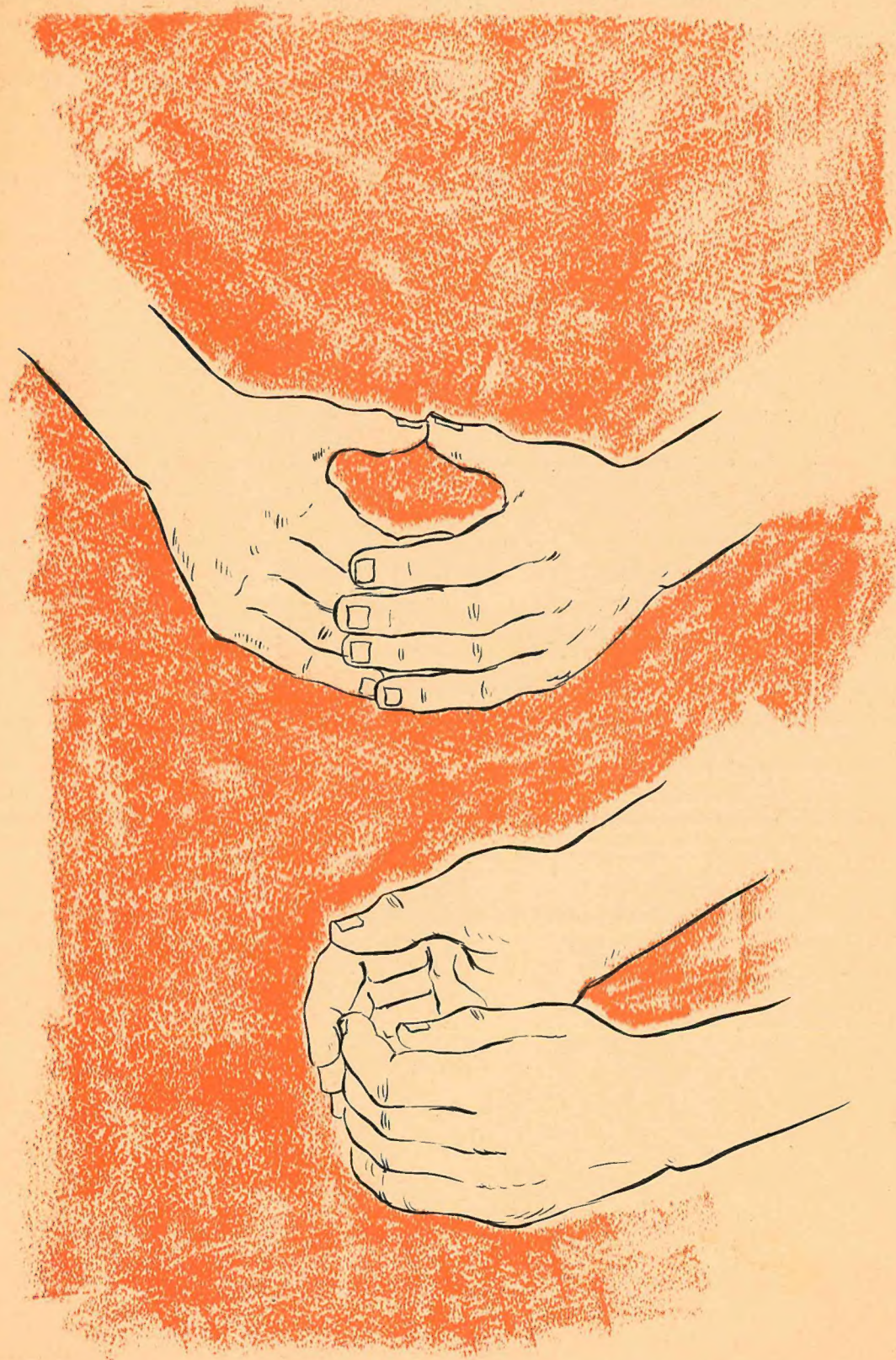
IF YOU ask mother, this is one game she'll remember from when she was your age.

First you open your hands like this and say: "These are mother's knives and forks:

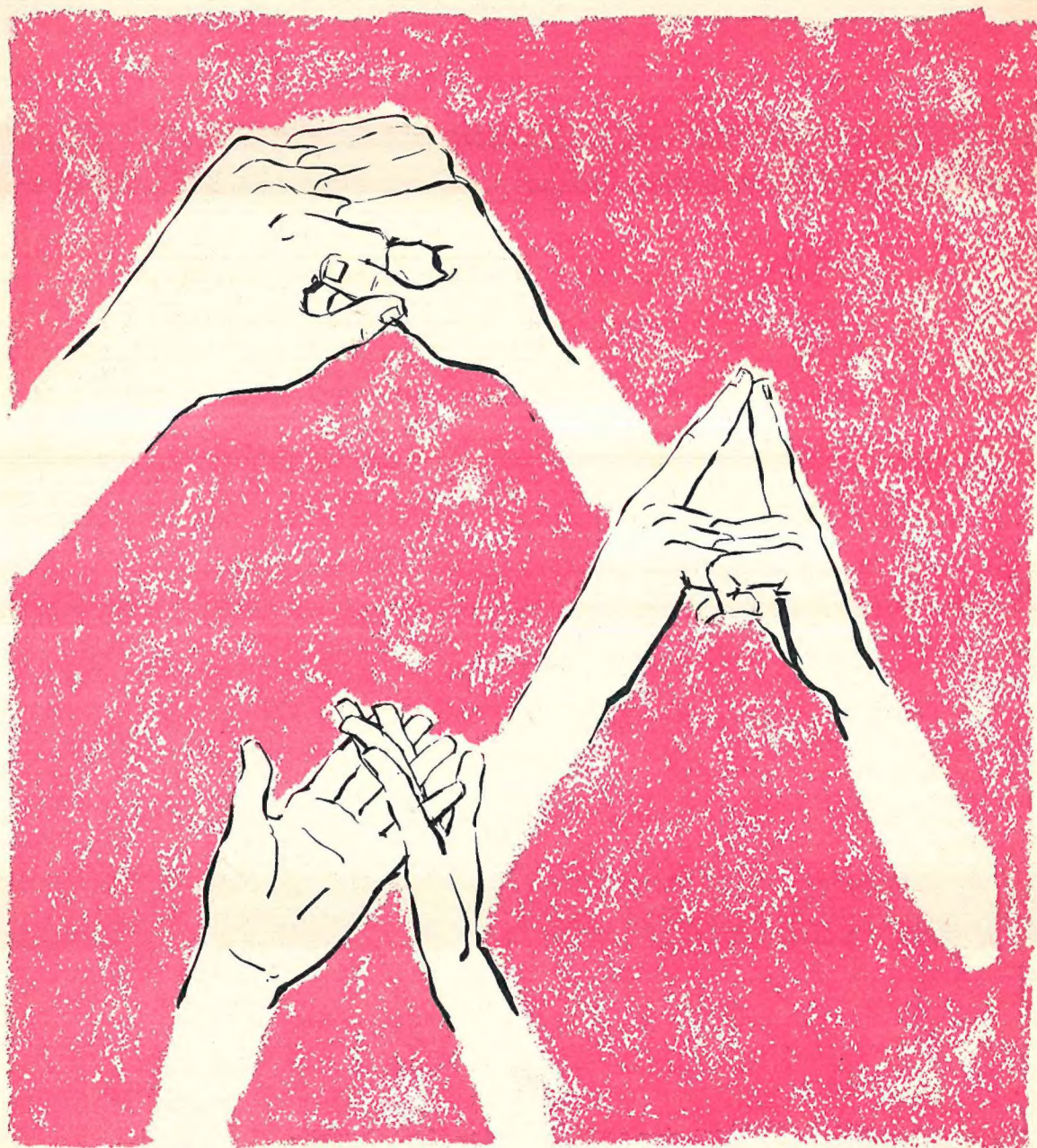
Then: "This is mother's table."



As you say these next two lines look at the next pictures. You must make the pictures with your hands to match the rhymes: "This is sister's looking glass. And this is baby's cradle."



Or ask her to repeat this rhyme and finger game with you. "Here's the church and here's the steeple. Open the door and see all the people."



MUSICAL COMB

FIND A PIECE of tissue paper. It doesn't have to be very large—just enough to wrap around a comb like this:

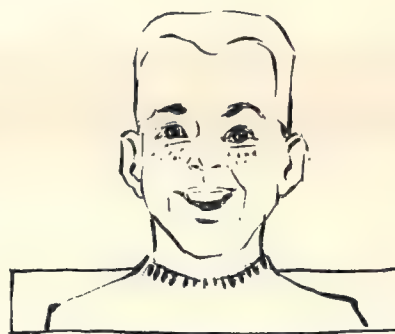
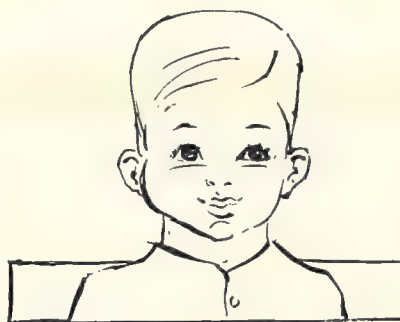


That is all you need for your musical comb. Now place your mouth lightly against the tissue paper and hum your favorite song. Your lips should be just a little separated as you sing.



NAME YOUR FINGERS

CUT OUT the five finger puppets. Make each into a circle that will fit your finger tips. Use a little tape to hold the shape of the puppets.



Put the puppets on the fingers of one hand—the mother puppet first, father second, then sister, then brother, and finally the one that has the baby's face.



Ready? Say this rhyme as you show each puppet's face:

*This is mother dear, this is father dear,
This is sister dear, this is brother dear,
This is baby dear, and this is all the family here.*

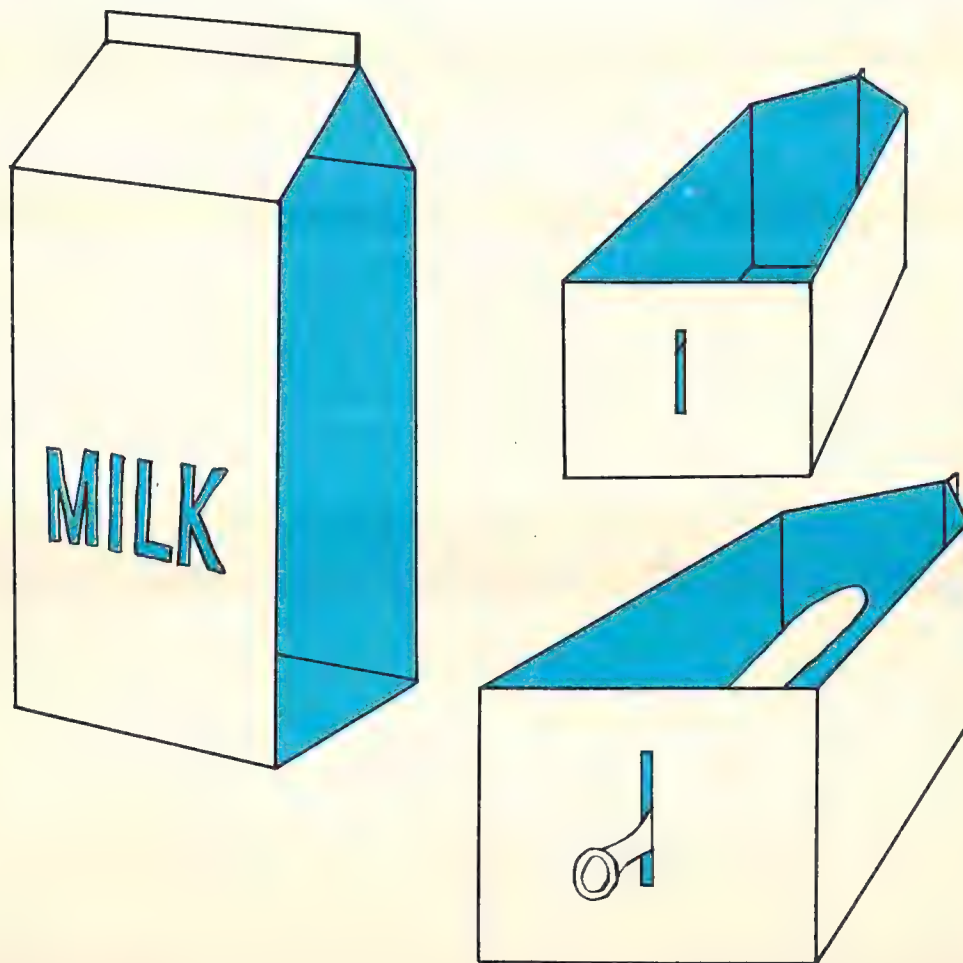
JET-PROPELLED BOAT

DID YOU know that air, when used in the right way, can make something move in just the way that jet planes do? See what air does to make this boat move.

Cut out one side of a milk carton with a pointed top.

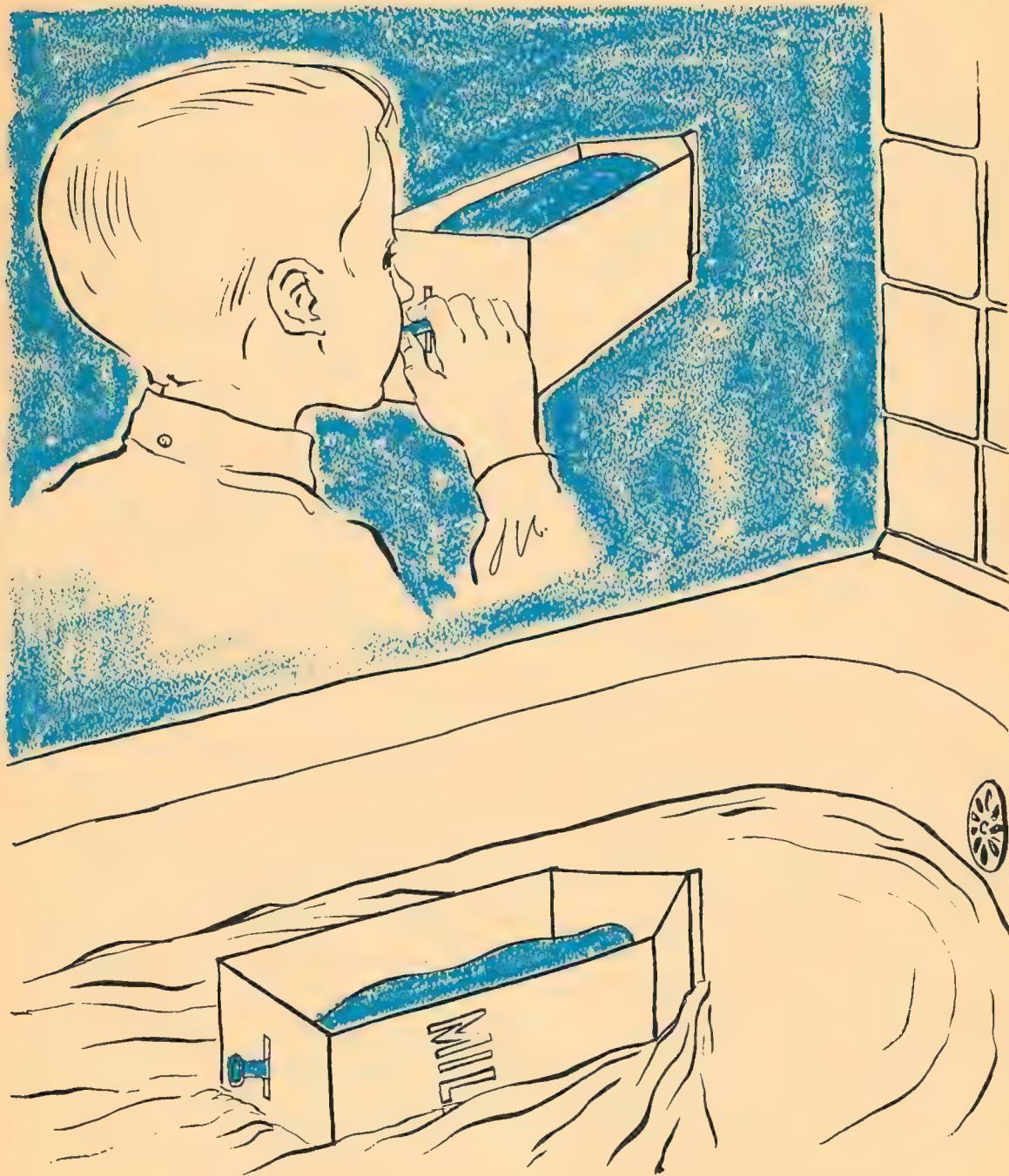
Turn the bottom of the carton toward you and cut a narrow slot about one-half inch long. Take a long balloon and push the closed end into the carton through the slot you just cut. Make sure that the mouthpiece cannot be easily pulled through the slot.

Now, with the mouthpiece outside the carton, blow up the balloon. Hold the end of the balloon shut so that no air can escape. Put the



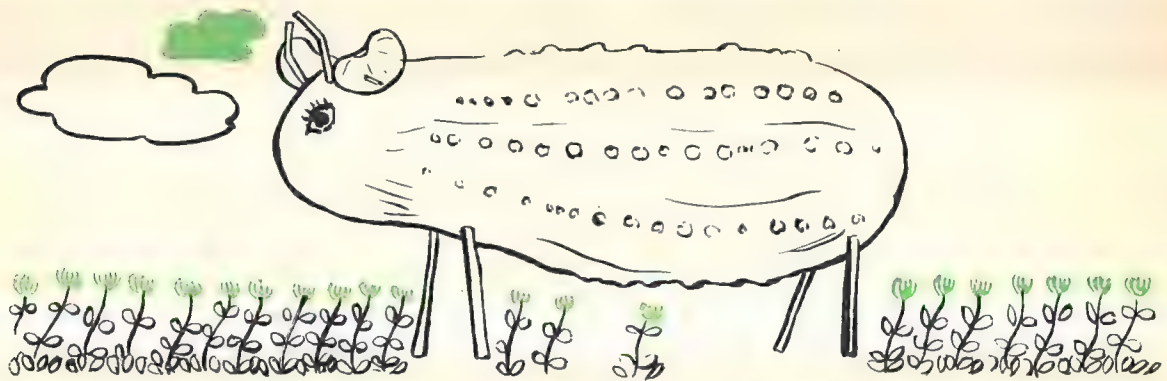
milk-carton boat in the bathtub, still holding the end of the balloon. Launch your boat and watch how the air coming out of the balloon pushes the boat across the water.

You can also use your boat in a pond or a swimming pool, but attach some light string to it so that you can pull it back.



VEGETABLE FARM FRIENDS

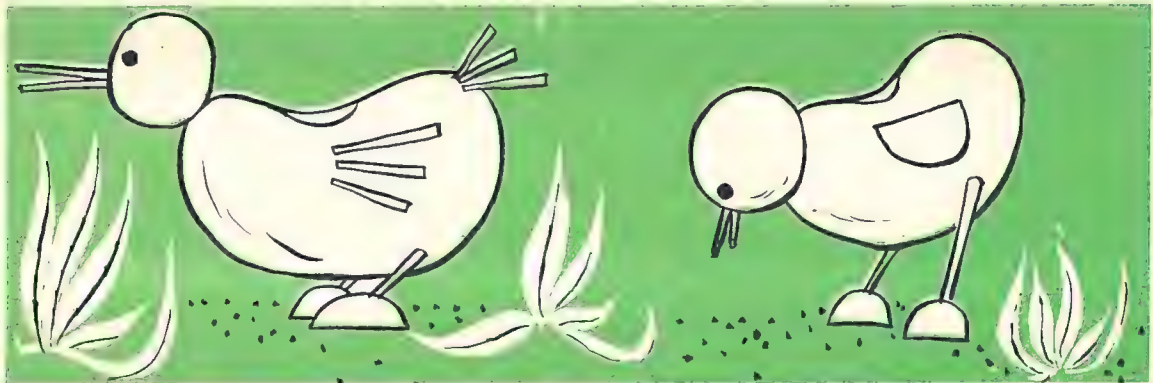
LET US see what kind of farm animals we can turn vegetables into. We can make a cucumber cow with lima beans for ears, held in place by pieces of toothpick. Toothpick legs and bent toothpick horns will finish her off.



With a handful of lima beans and peas and some toothpicks, you will soon have some baby chicks and ducks.

To make a duck, use a lima bean for the body and a pea on the end of a toothpick for the head. Broken toothpicks can be the legs and split peas will make the feet. Use small pieces of toothpicks for the beak and pinfeathers.

The chick also has a lima bean body and a pea head, with a toothpick beak and legs. The wings are split peas attached with pieces of toothpicks.



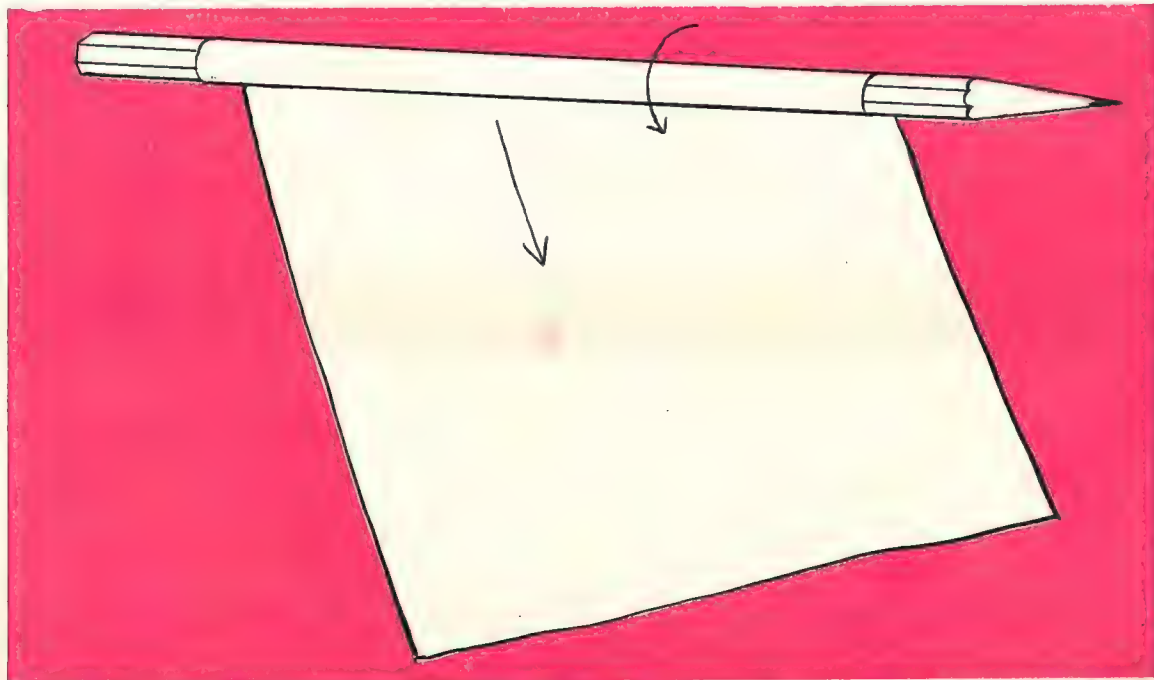
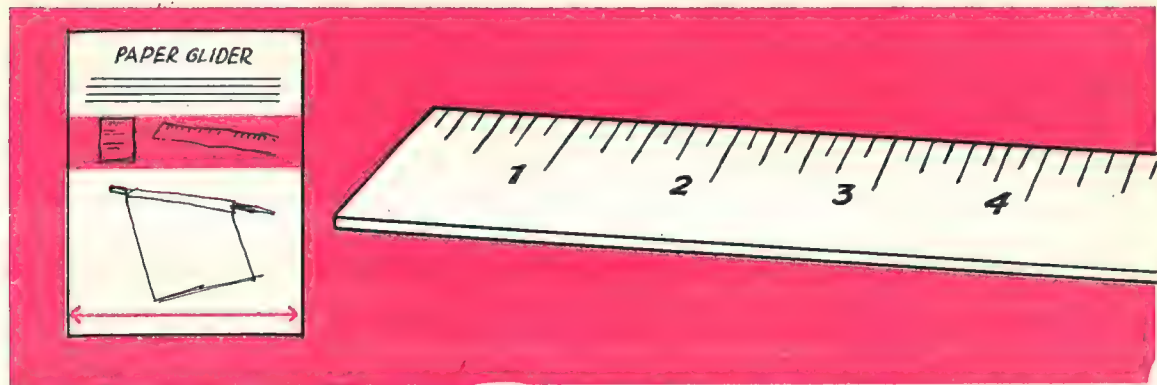
Every farm has to have a horse, so we'll use a sweet potato for the body and lollipop sticks for the legs. The tail and mane are paper strips pulled through the end of a hairpin stuck deep into the potato. Pencil in the eyes and mouth and stick on some cardboard ears to give the mare a face.



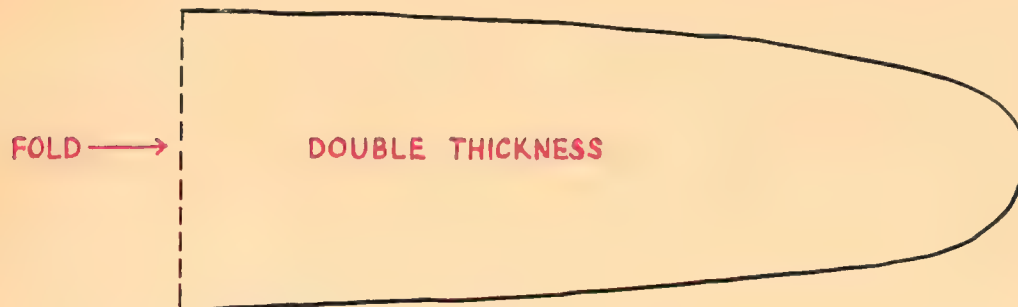
PAPER GLIDER

A GLIDER is a plane that has no engine. In order to get off the ground, it has to be pulled by a car or another plane. Once in the air, it depends on the movement of the air to stay up.

You can make a simple glider out of paper. Take a strip of paper four inches wide and about eight inches long and roll it around a pencil as shown.



Tape down the ends of the paper so that it won't unroll. Cut a wing for the plane about the size of the one shown here.



Tape the wing into place. Now remove the paper from the pencil. Squeeze one end of the roll of paper into a point. Wrap tape around this point to form the nose of the plane.



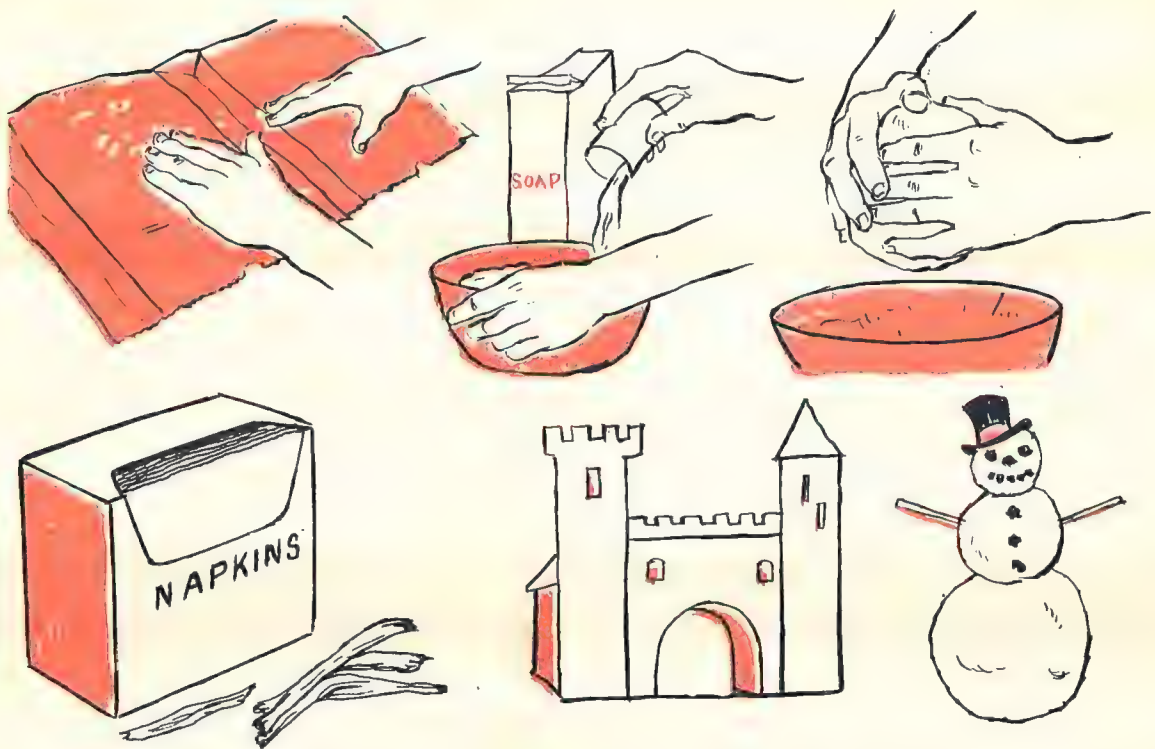
A straw will be your glider launcher. Insert the straw in the open end, aim the glider, and blow into the straw.



SOAP SUDS AND PAPER

WITH SOME soap flakes, paper and water, you can build a castle, a farm, a whole city, or a snow man in July. First spread out some newspaper or wrapping paper on a table or the floor. Cut up white napkins or paper toweling into thin strips about two inches long. Pour two cups of soap flakes into a large mixing bowl and add enough water to moisten it but not enough to make suds. Then add the strips of napkin or toweling until the whole mixture feels sticky like clay. ✓

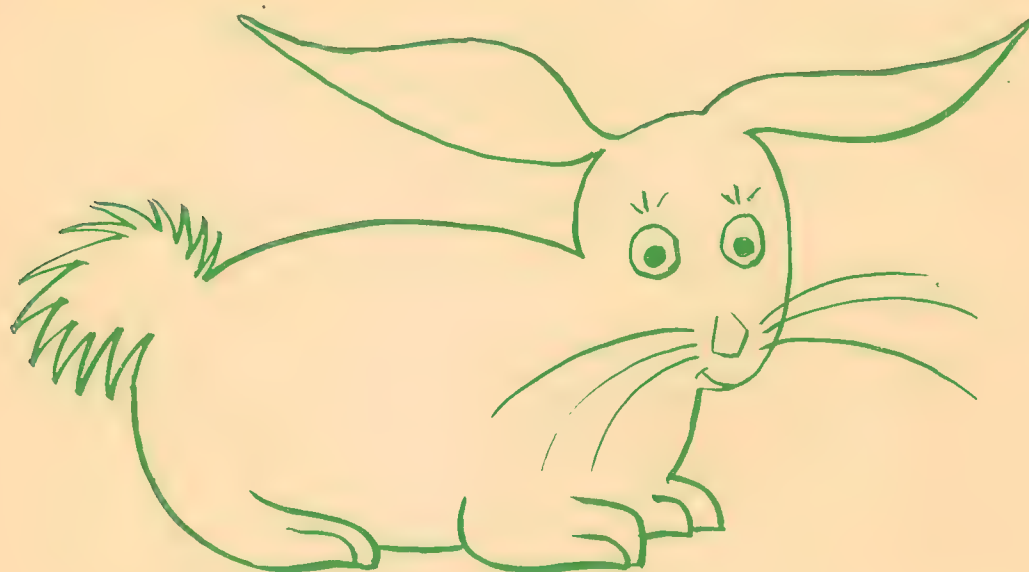
Now you can make almost anything you want out of the mixture—animals, buildings, or people. A few ideas are shown here.



If you plan how to place your figures on the wrapping paper, you can then paint in roads, fences, railroad tracks and trees. After your soap-flake and paper sculptures are dry, you can paint them too. This kind of sculpture is called papier-mache (PAP-yay mah-SHAY).

MR. EASTER

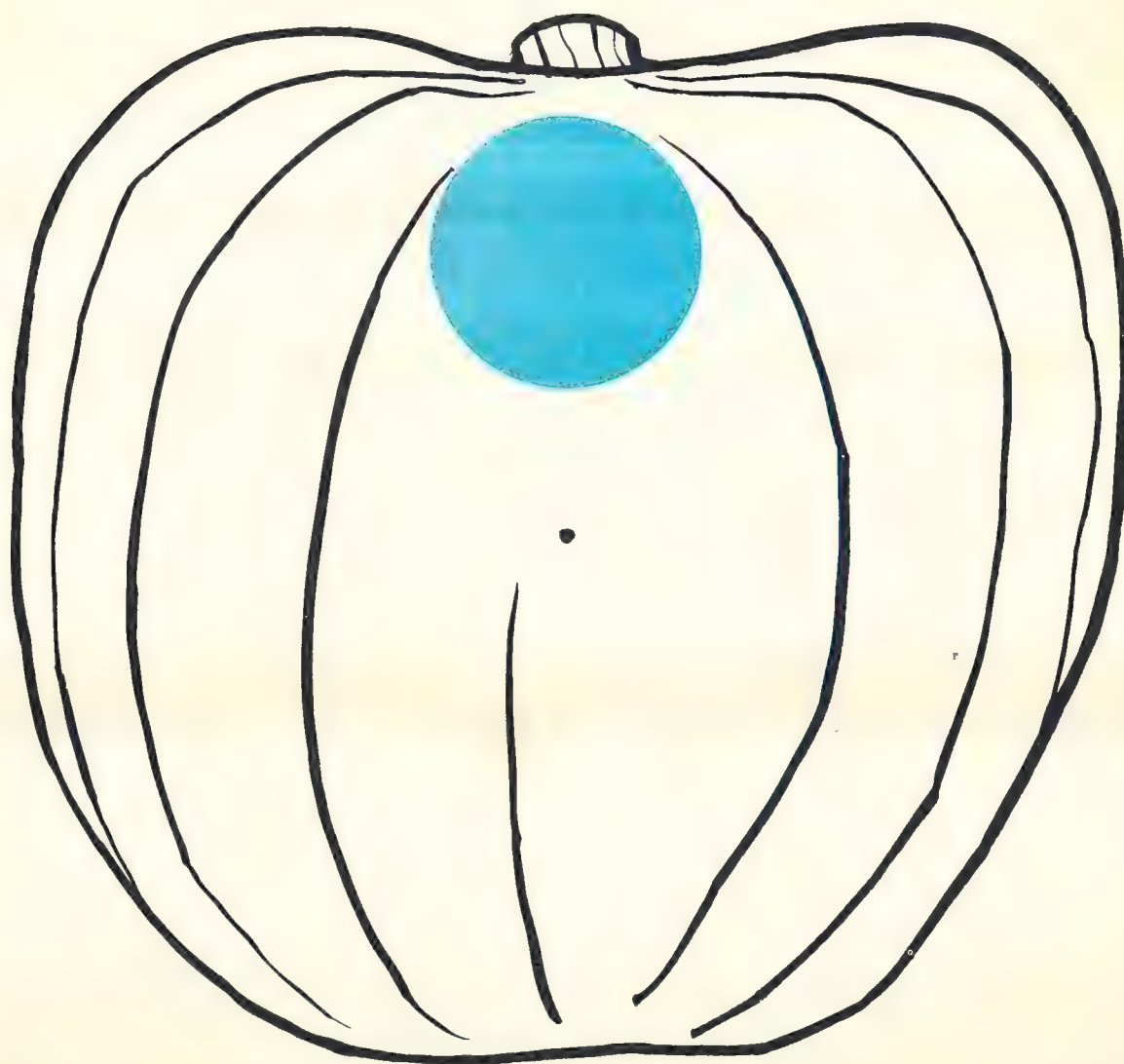
HE LOVES the carrot patch. He has a cottontail. He brings exciting presents Easter morning. He answers to the name of rabbit or bunny. Let's see if you can help draw his picture. Try to finish the second drawing to make it look like the one in color. The dots show you where to start drawing the rest of the rabbit.




THE HALLOWEEN PUMPKIN

THIS is a very special Halloween pumpkin. Inside its round face are many strange creatures. They come out every Halloween to scare your parents and your friends.

Cut the pumpkin out and paste it on a thin piece of cardboard. Color it a yellowish orange. Then cut the edges off the cardboard and cut out the hole near the top.



Now cut out the wheel with the hobgoblin pictures. Paste that on another piece of cardboard and cut off all the edges. Put the wheel behind the pumpkin so that the small center holes line up with one another. Push a spreading brad () through from the pumpkin side and spread the prongs apart on the back. Watch the pictures change in the head of the pumpkin.

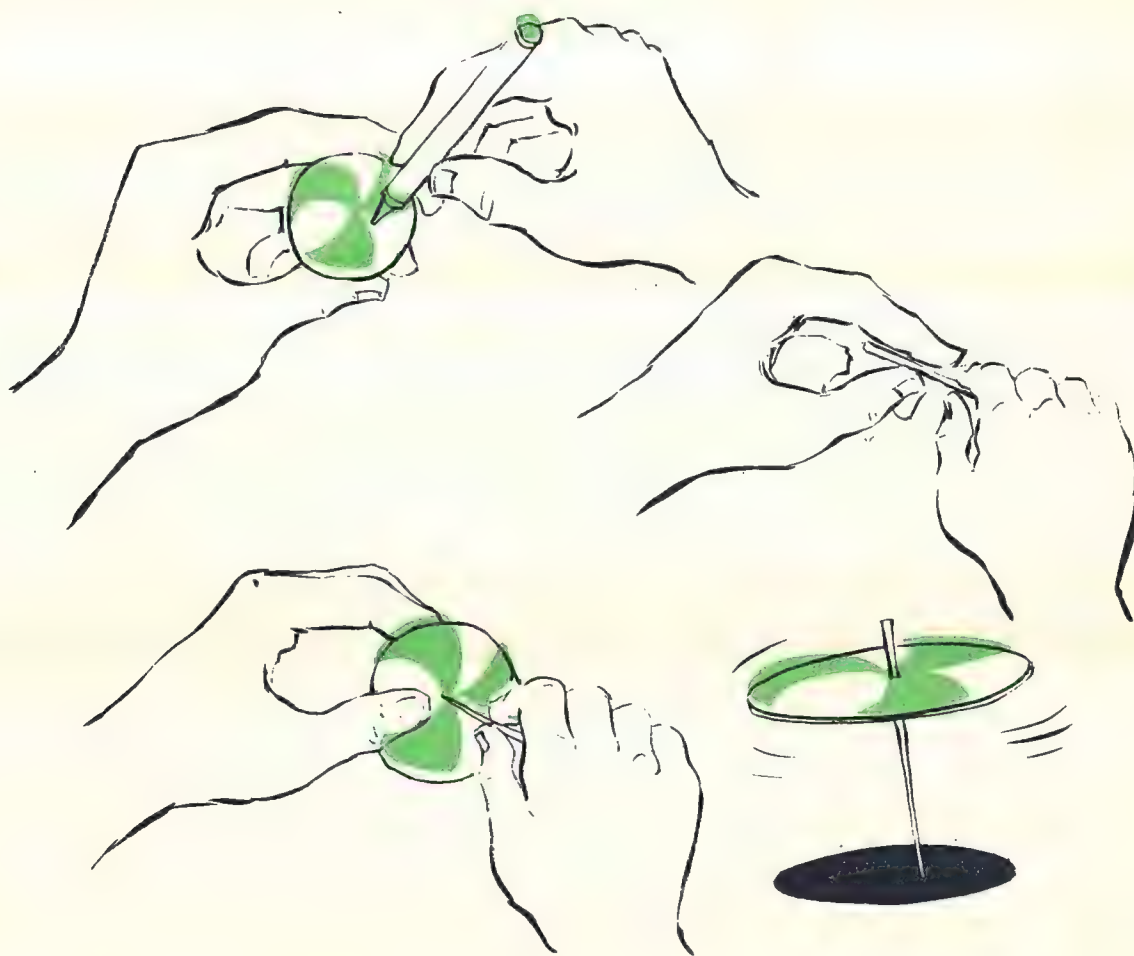


MILK CAP TOP

WATCH THIS top spin. It is easy to make and easy to spin.

Take the cap from any milk bottle and color it with several different crayons. Then break off the burnt end of a kitchen matchstick. Sharpen one end of the matchstick and punch it through the center of the bottle cap.

Twirl the top and watch the crayon colors spin around.

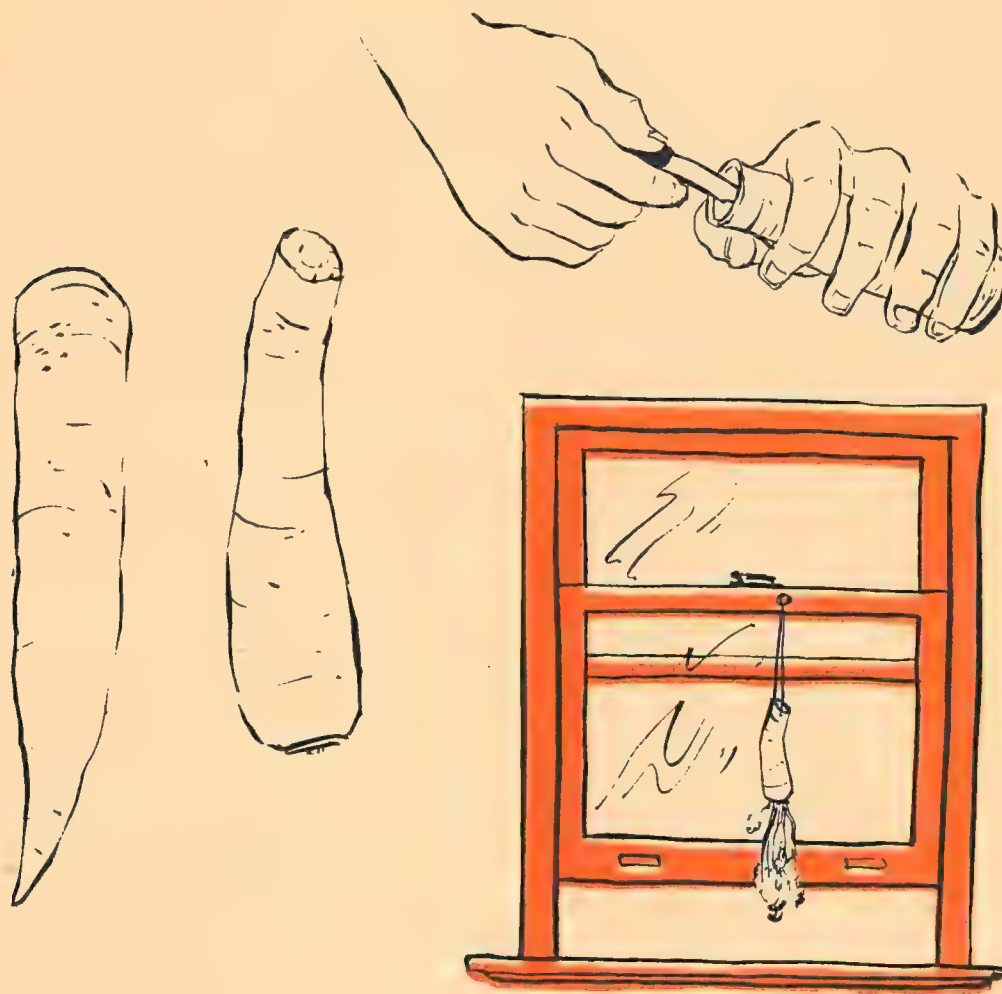


CARROT PLANT

THIS IS one of the easiest plants to grow. What is more, it even furnishes its own vase.

Ask your mother to shop for a big, fat carrot about four or five inches long. Cut off two inches from the pointed end. Now scoop out the inside of the carrot so as to make a hole about two inches deep. Punch a hole on each side of the scooped-out place so that you can attach a cord to hang your carrot vase. It is best to hang it near a window where it will get light to grow.

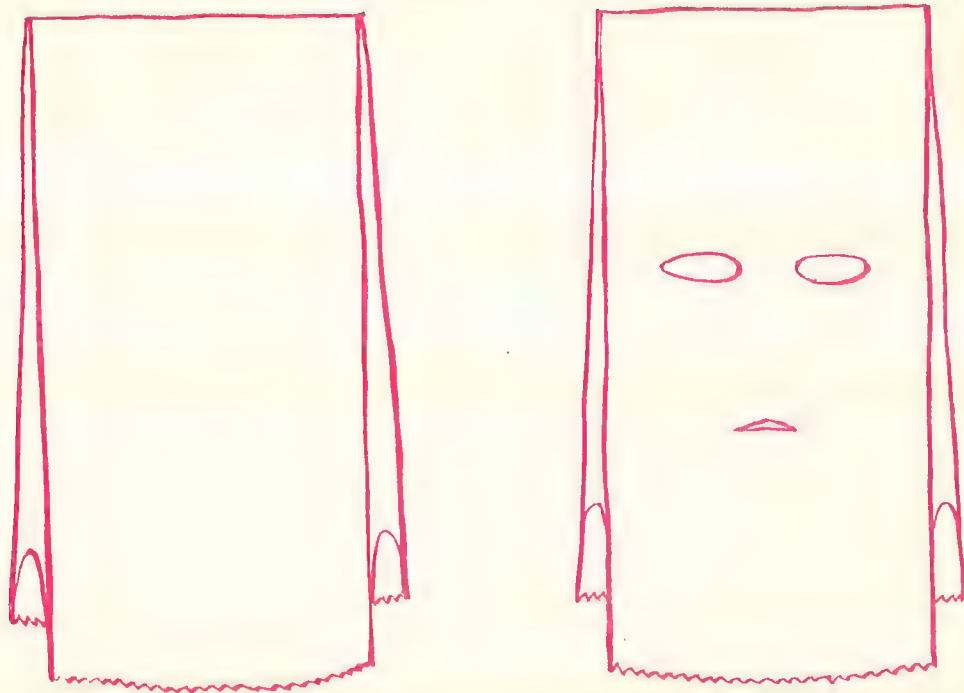
If you keep the carrot vase filled with water, soon the bottom will sprout a lovely fern-like growth.



PAPER BAG MASKS

LARGE paper bags, scissors, crayons, scraps of material, paste and some newspaper are the tools you will use for these scary masks.

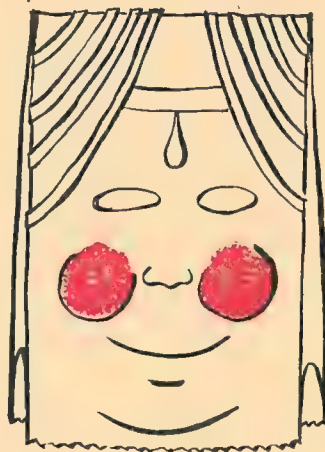
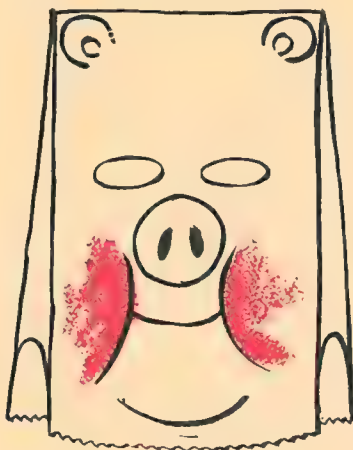
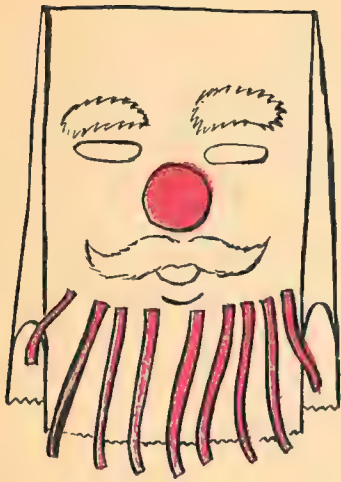
First cut out the two sides of the bag about four inches up from the open end. This will help it fit over your shoulders and stay on better. While you still have the scissors handy, cut out slots for the eyes. On some you may want to cut out a jack-o'lantern nose and mouth, too.



Now the fun begins. What kind of mask would you like to make? A scary one? One of your favorite storybook people? An animal? There are no end of funny masks to make.

Newspaper cut in strips can be hair or a beard. Odd bits of material can add a bow or funny clown hat. Crayons can paint on bushy eyebrows and shaggy mustaches. Don't forget the nose. Is it big or small? The mouth can make the mask have a happy or sad face.

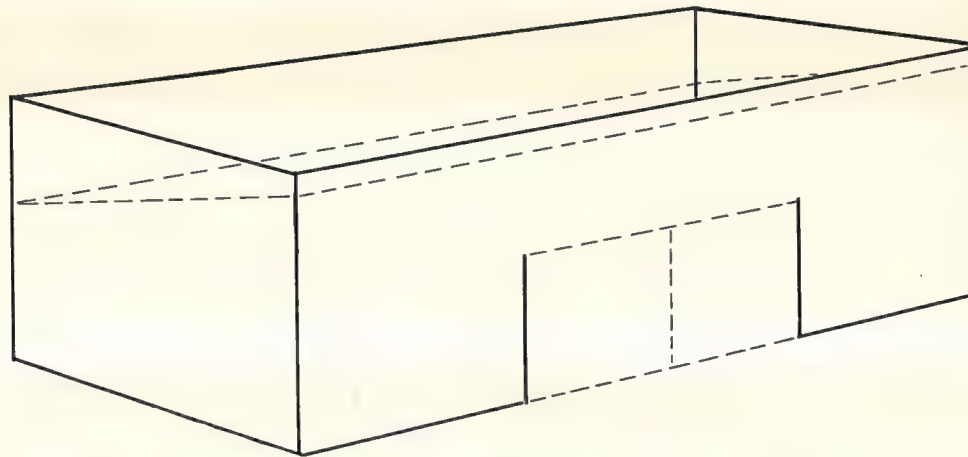
The pictures will give you just a few ideas for your mask.



AIRPLANE HANGAR

ALL GOOD airplanes should be kept under cover when not in use. Here is an attractive hangar that is easy to make.

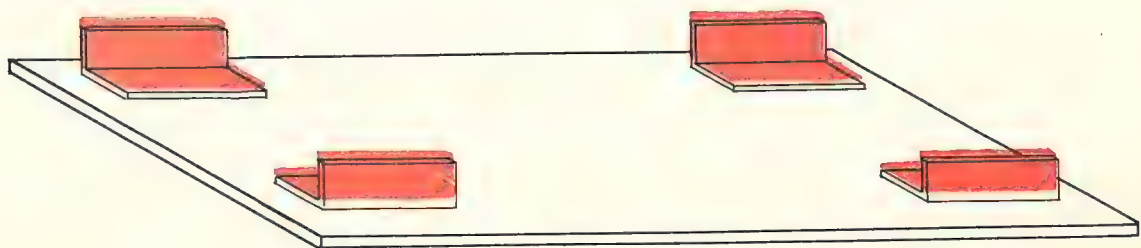
Cut the open end of a shoe box as shown by the dotted lines in the first picture.

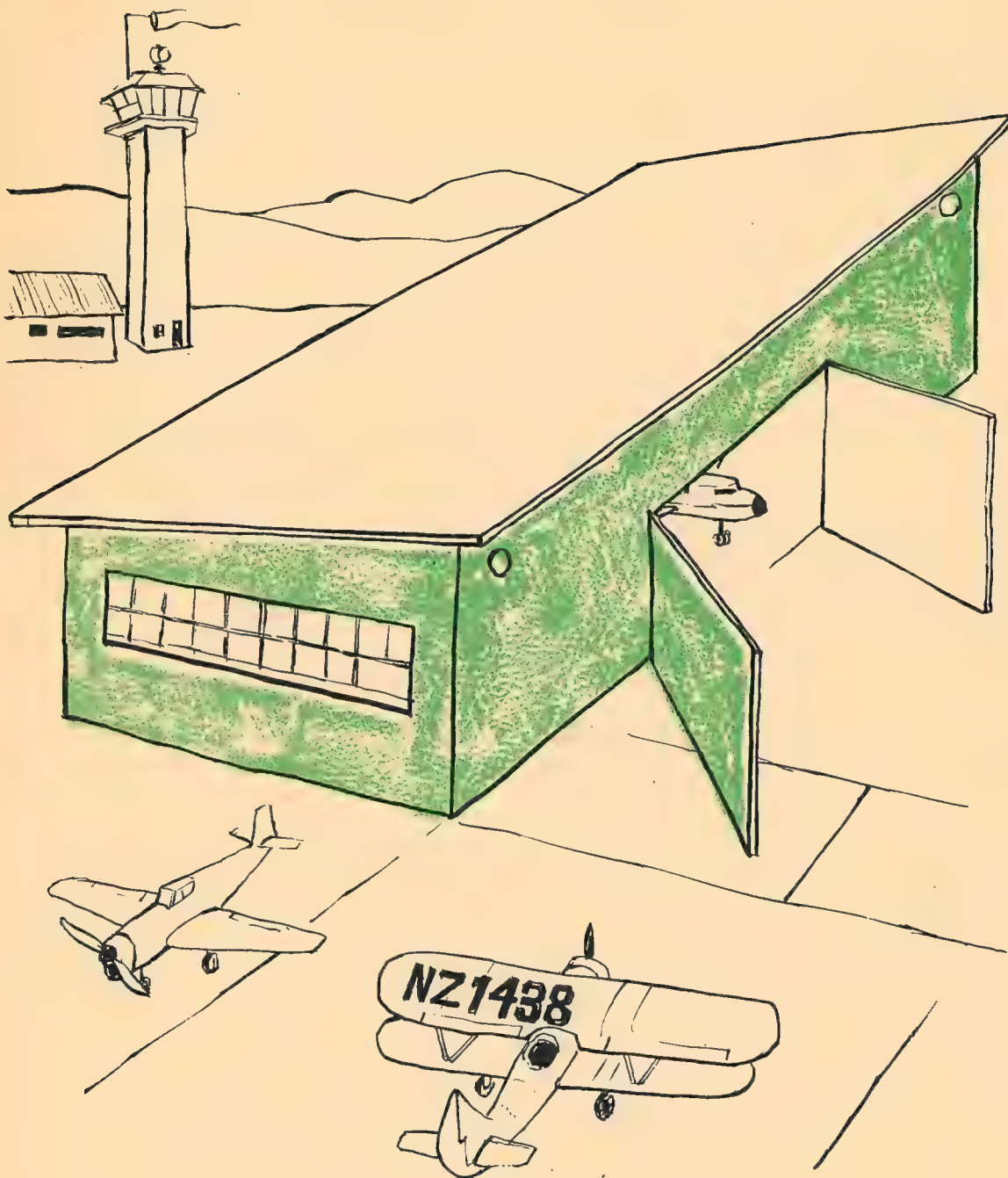


You can see how the door is made in this same picture.

To make the roof, you will need a piece of cardboard large enough to fit over the slanted top with a little left over. Turn the box over and draw the outline of the roof opening on the cardboard.

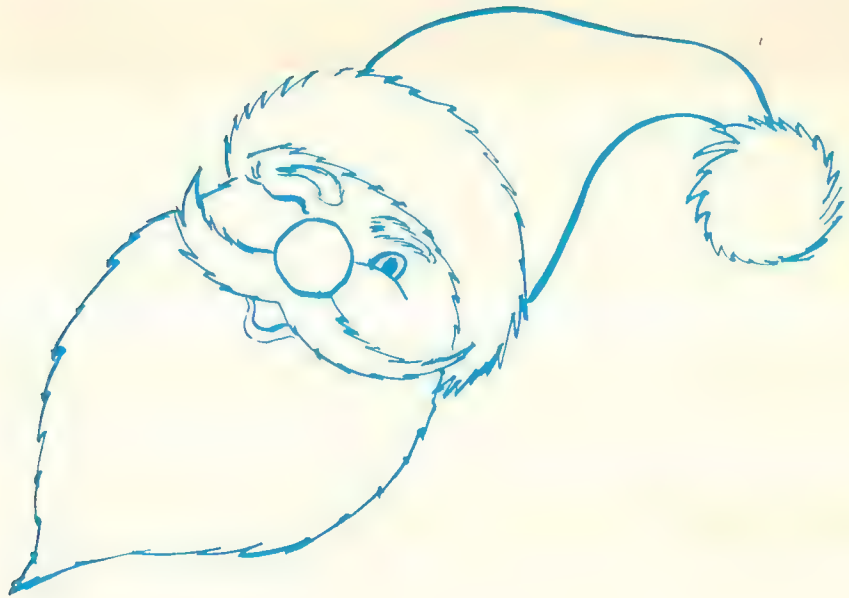
Paste two-inch-long cardboard tabs on each corner of the cardboard roof. Let the paste dry and then put paste on the parts of the tabs that stick out. Glue them to the inside of the shoe box to hold the roof in place. You are ready to taxi your planes into the hangar.





MERRY CHRISTMAS

AND WHAT would Christmas be without St. Nick? With his red cheeks and red hat, everyone knows him. Finish drawing him just as you did for the rabbit. When you are through you might want to color his hat and cheeks red, his skin light pink, and his eyes brown.



FAT, FUNNY SNOWMAN

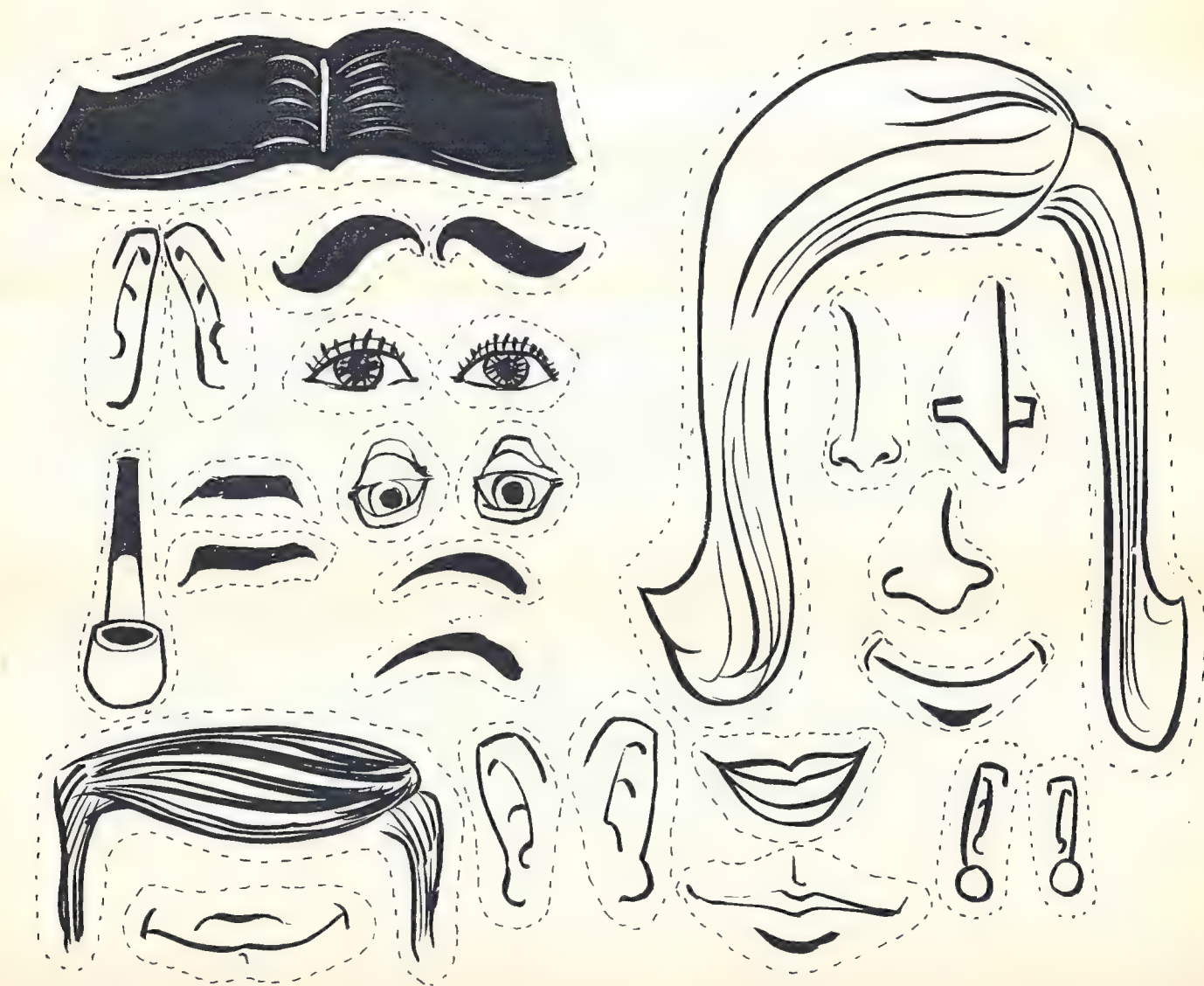
THE FIRST snow, the first snowman. They go together.

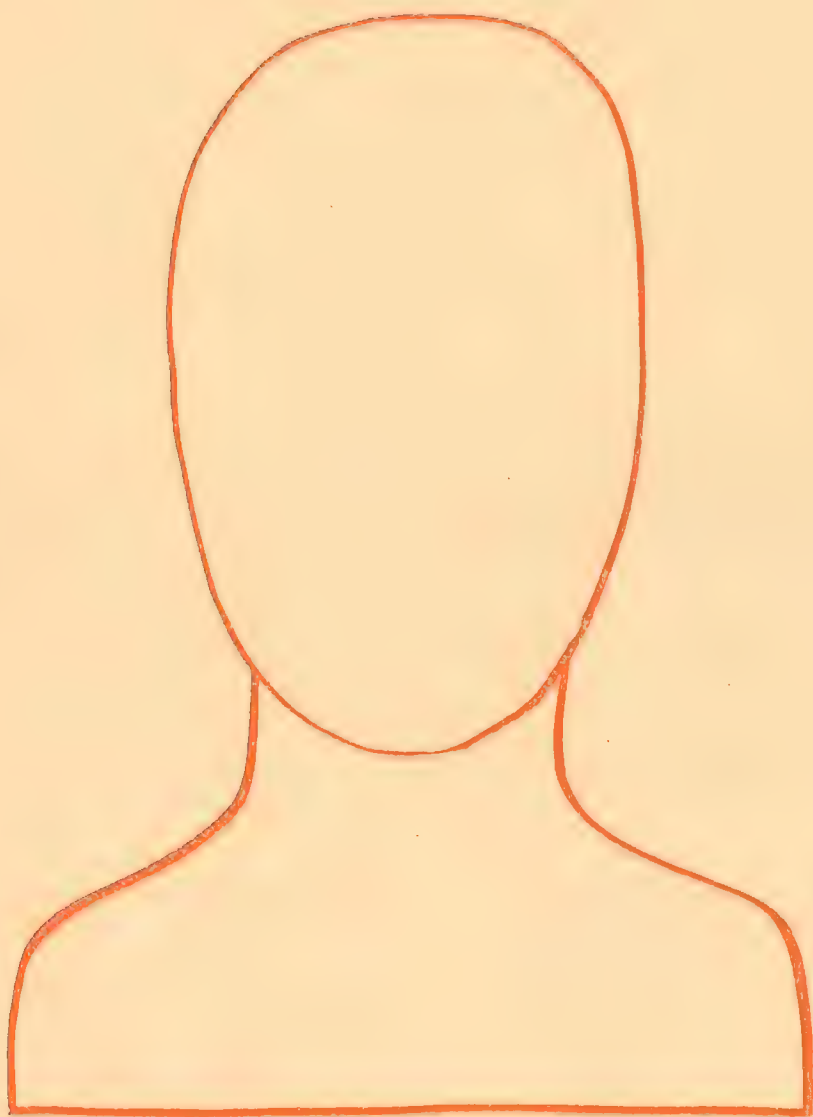
But there are several things missing from this snowman. Can you put him together? He needs a hat, some eyes, a nose and a mouth. A scarf around his neck, some buttons down his front and maybe broom-stick arms to make him the very best kind of snowman.



FACE TO FACE

A FACE has eyes, ears, nose, mouth and hair. But some eyes are big and some are small. Some ears are pointed and some are round or big. Noses come in all shapes and sizes. And mouths can pout or smile. As to hair, there are many different styles. Here are a variety of noses, eyes, ears, mouths, and hair. See how many combinations of faces you can make. Cut out all the pieces and arrange them on the face on the next page. If you want to paste the pieces down, trace the face and paste the tracing on cardboard. You can do this for each face you want to make.





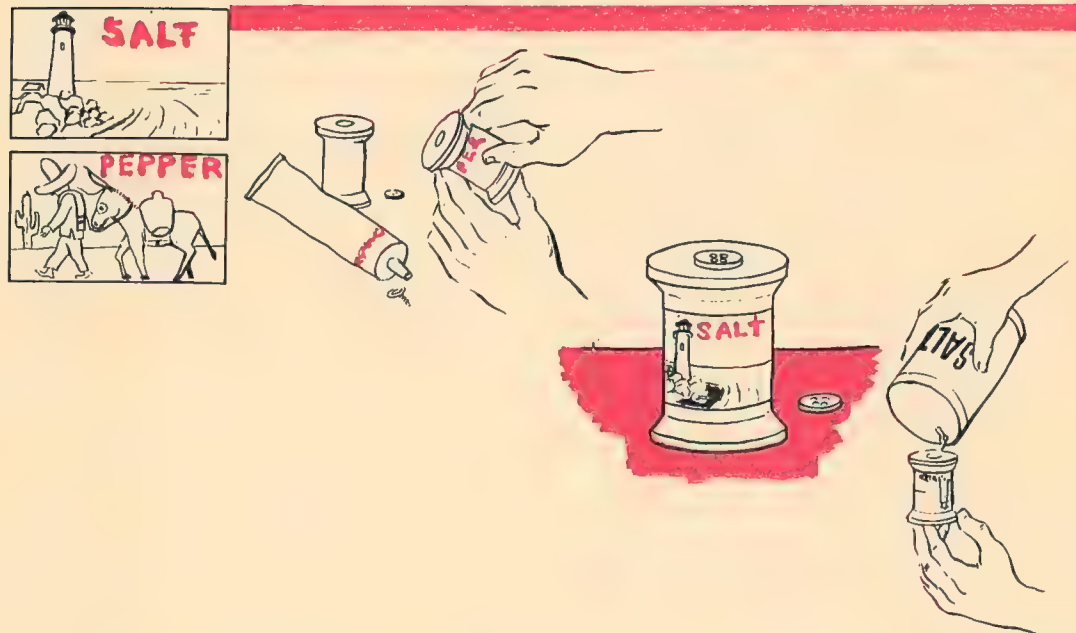
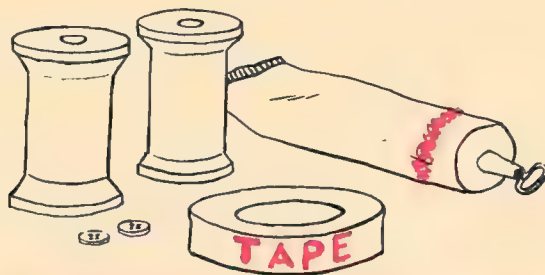
FUN WITH SPOOLS

THERE ARE so many things to do with empty thread spools. Ask your mother never, never to throw them away. As a starter, they can become wonderful toys for your little brother or sister. Paint them with different bright colors, and then tie a button on the end of a long shoelace or a piece of cord. Even a two-year-old will quickly learn to string the spools together. They make a nice noise as they slide back and forth and the colors are fun to play with.



With equipment that is not too different, you can make salt and pepper shakers for your mother. You need only two empty thread spools, two shirt buttons, some good strong glue, and adhesive tape.

Cut out the pictures that say "SALT" and "PEPPER" and either color or paint them. If you do paint them, put some of the same color on the tops of the spools. Glue the two strips around the outside of the spool. You can make your own pictures if you like, but use the ones shown here as a pattern to follow for size.



Next, cement the two clean shirt buttons over the top holes of the spools.

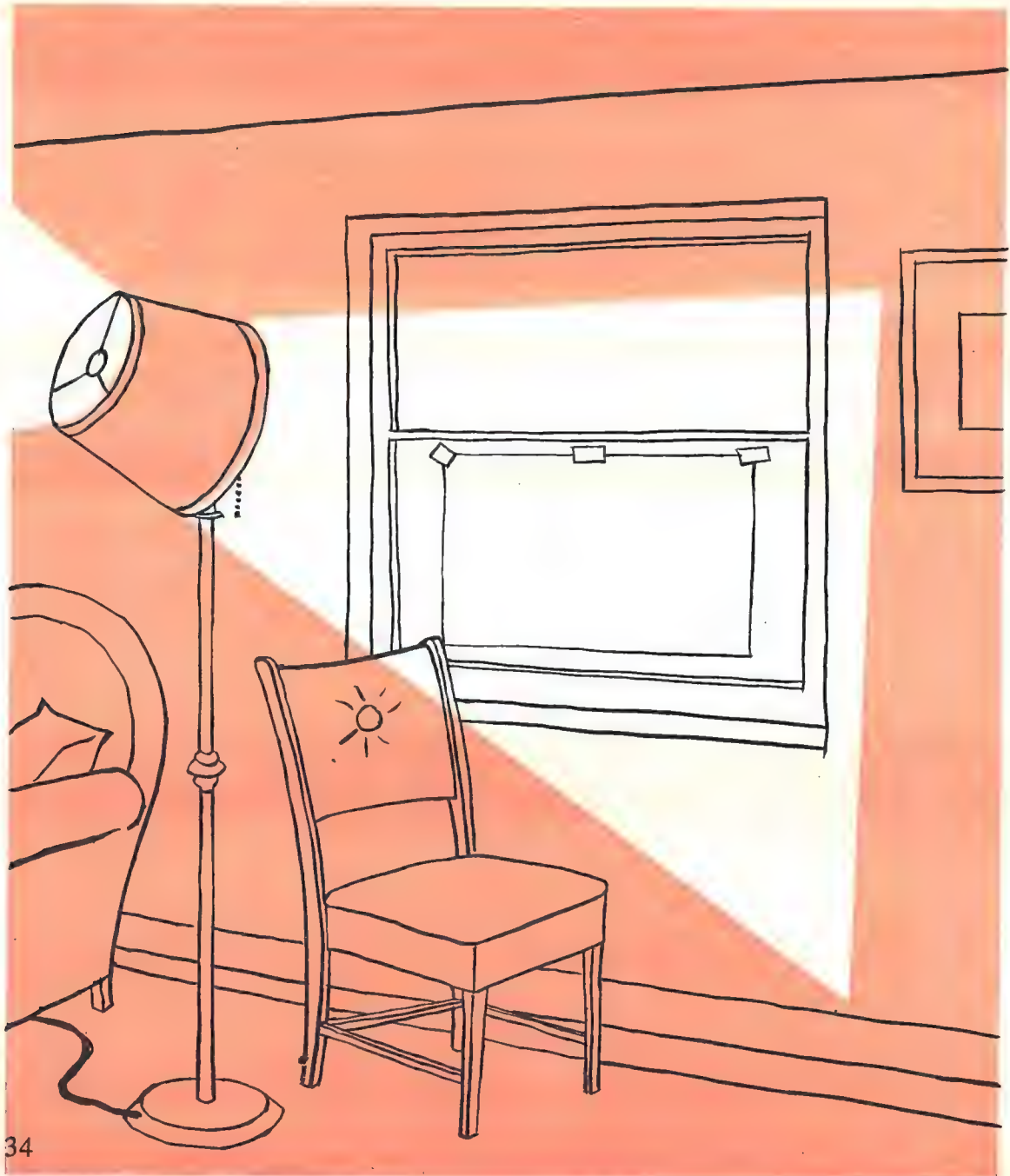
When the glue is dried and the buttons are on to stay, you are ready to fill the spools with salt and pepper. When you fill the shakers, hold your finger tightly against the buttons so the salt or pepper will not pour out.

Now seal the salt and pepper into the shakers by placing a piece of adhesive tape over the open end.

SILHOUETTE PICTURES

TAPE A large sheet of paper to the window. A carefully opened paper bag works well. It is better not to paste it on the wall, as the tape might leave marks on the paint.

Put a chair and a lamp in front of the paper. They should be placed as shown in the first picture.



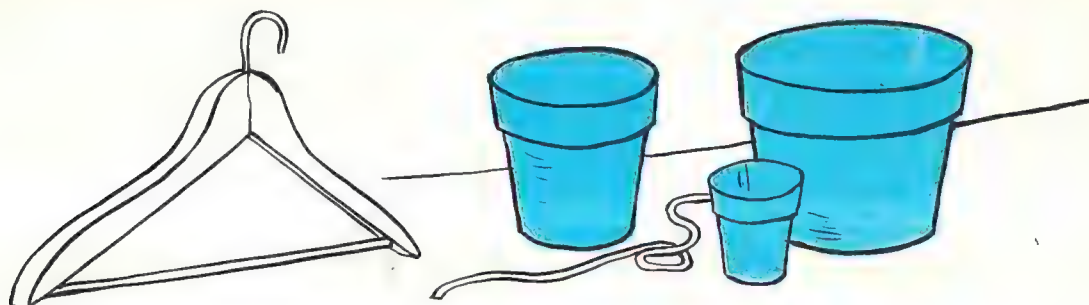
Whose silhouette do you want to make? A friend, or your sister or brother would be good to start on. Or why not try a plant or one of your favorite toy animals? Put the toy or have the person sit on the chair and turn the light on. Take a crayon and trace what you see on the paper.



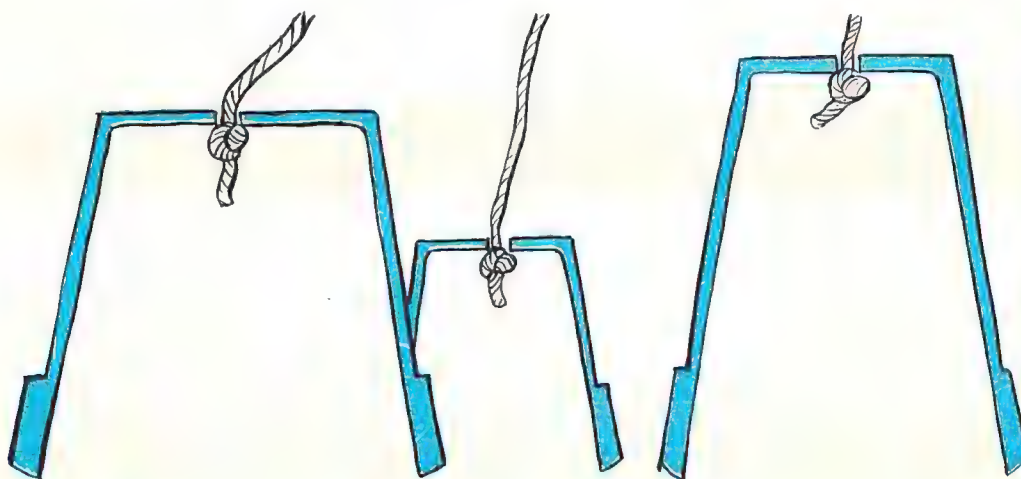
Then take the paper down and fill in the outline. Do you recognize the picture?

FLOWERPOT BELLS

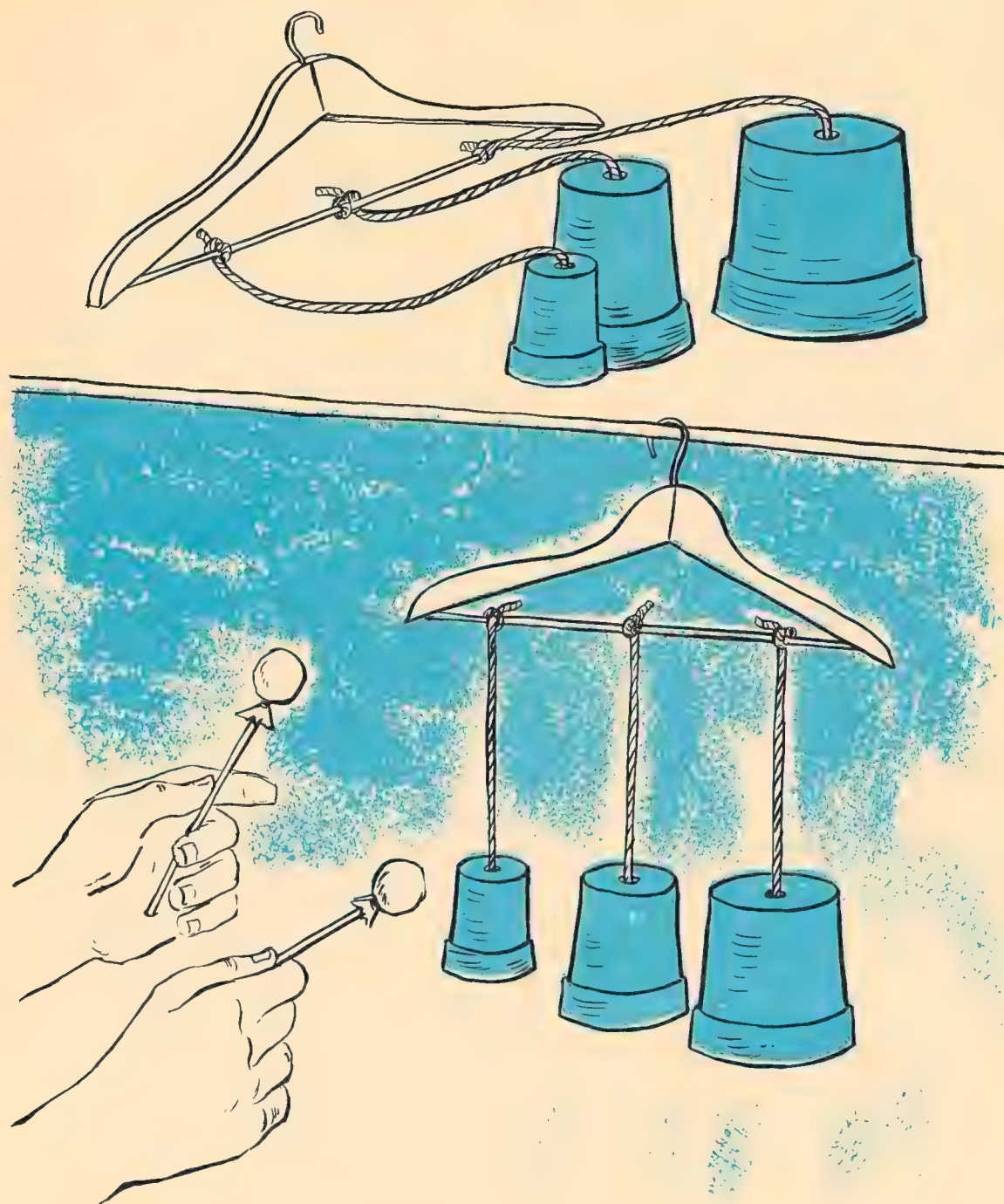
FIND A WOODEN hanger that is shaped like the one in the picture. Then ask your mother or father for two or three flowerpots of different sizes. The difference in size will make the difference in sound. You will also need a piece of clothesline or heavy cord from which to hang the flowerpot bells. Cut a piece of cord about one foot long for each flowerpot you have.



Tie a knot at one end of each of the pieces of cord. Slip the cord, from the inside of the pot, through the hole in its bottom.



Now tie the other end of the cord to the wooden hanger.



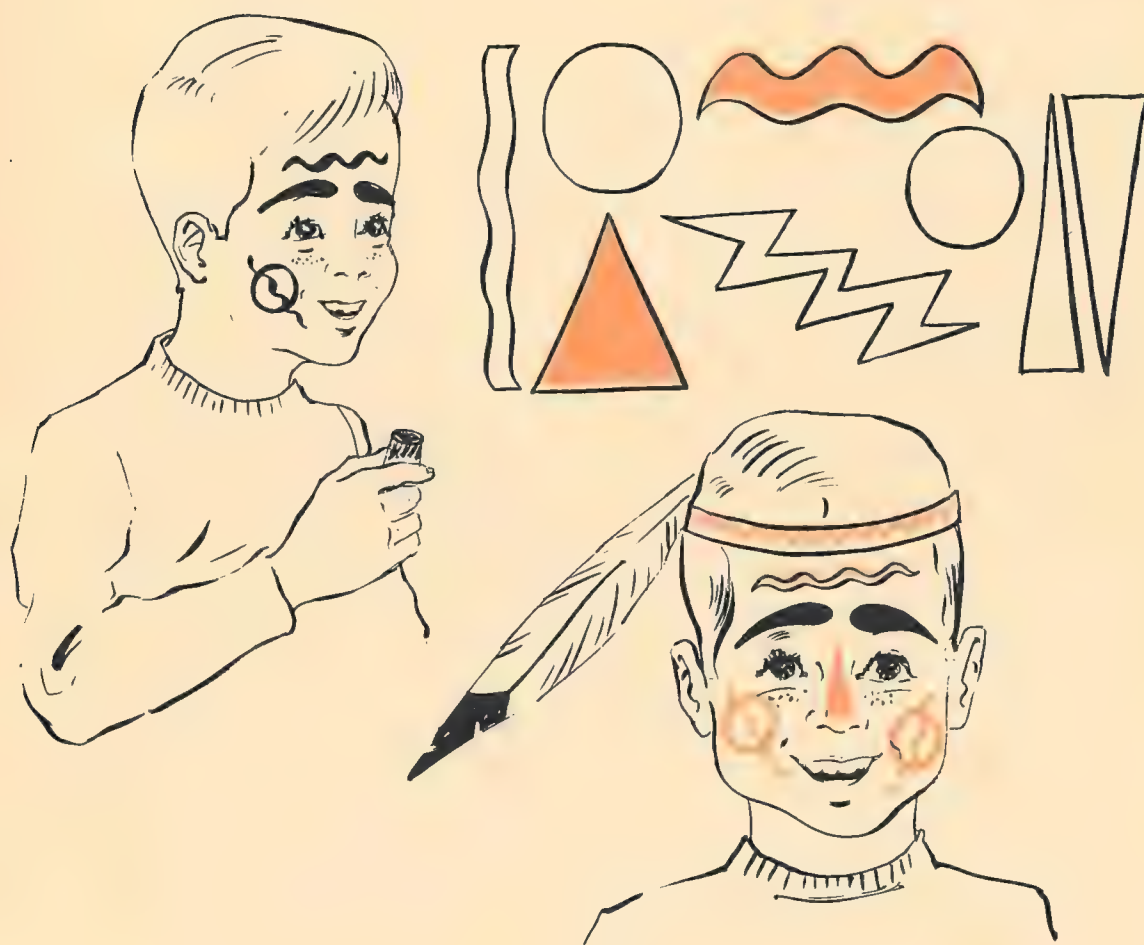
On another page in this book, you will find directions for making drumsticks. With a rubber ball drumstick, you will be ready to play on your bells.

INDIAN WARPAINT

A pow-wow has been called by all the Indian chiefs. They are all wearing their Indian headdresses. The Indians have put on their war-paint and are ready to fight off any invaders.



Here is how you can look just as fierce. Ask your mother to burn a cork to darken your eyebrows and make snake lines. Now cut up some colored paper into strips, circles and triangles.

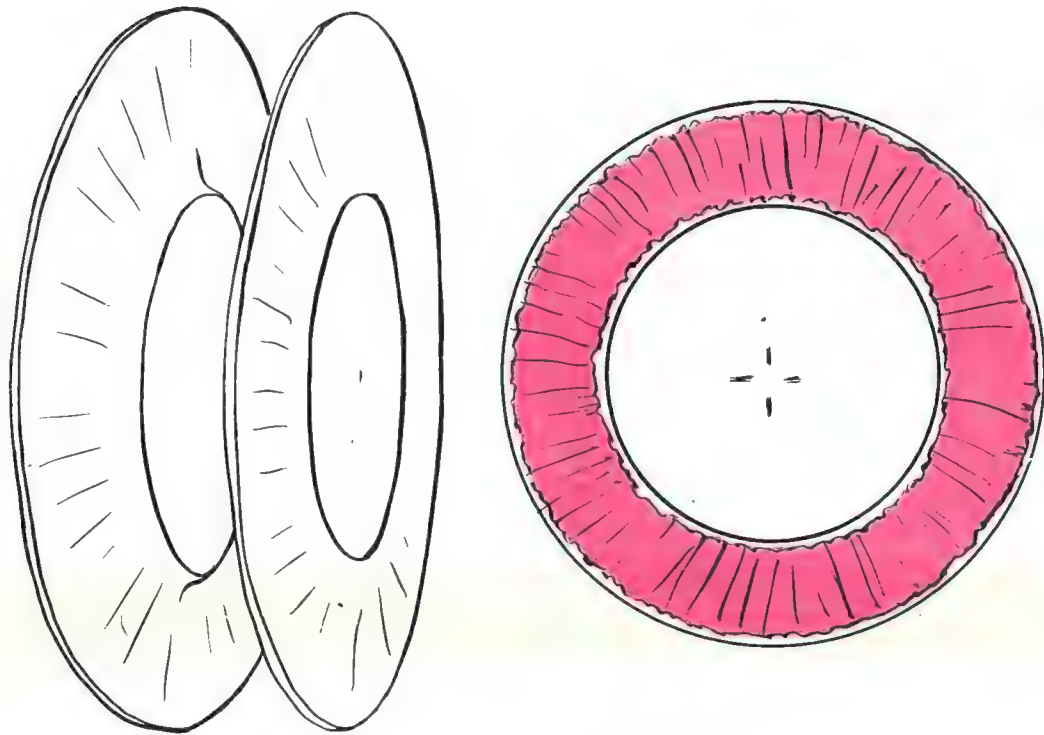


With a little scotch tape stick the pieces carefully on your face. Now you are ready to join the pow-wow.

SCISSORS PAINTING

THIS PICTURE comes framed, ready to be hung on the wall. And what's more, you don't use paints or crayons. You make it from colored crepe paper and paste.

Take two paper plates and paste them back to back. All round the edge of one plate make a border of crepe paper. That will be the finished frame.



In the center of the plate, using only enough paste to make the crepe paper stick, paste your picture. Perhaps you would like to make a design out of different colors and shapes of the crepe paper. Or maybe a picture of the house you live in, or a meadow with a fence and trees, or a fish picture?



When you are finished, it is time to put a coat of clear shellac on the picture to make it shine and show the colors of the crepe paper at their best.

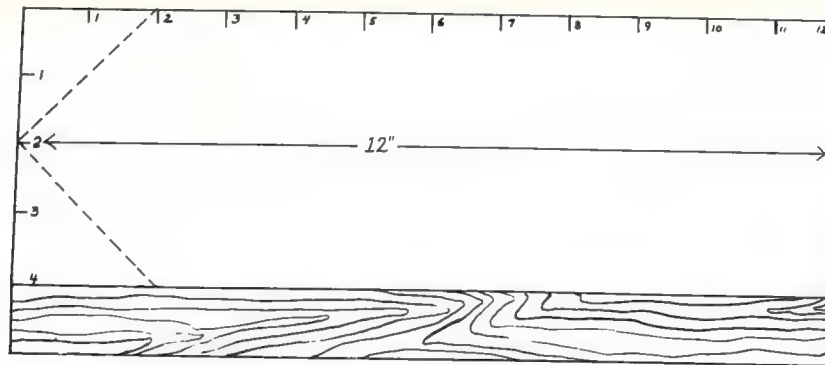
To hang the picture, take two gummed looseleaf-paper reinforcements and paste them back to back on the edge of the untrimmed plate. It is ready to hang next to your bed in your room.



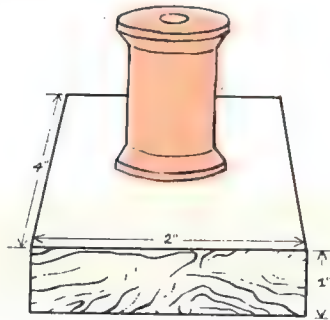
A FREIGHTER

THE FREIGHTER is the workhorse boat. It won't win any races, but you can always be sure it will get its cargo delivered.

You can cut the pieces you need from a plank of wood 14 inches long, 4 inches wide, and 1 inch thick. Saw 2 inches off one end. The longer piece will be the hull of your freighter. Trim one end to form the prow.

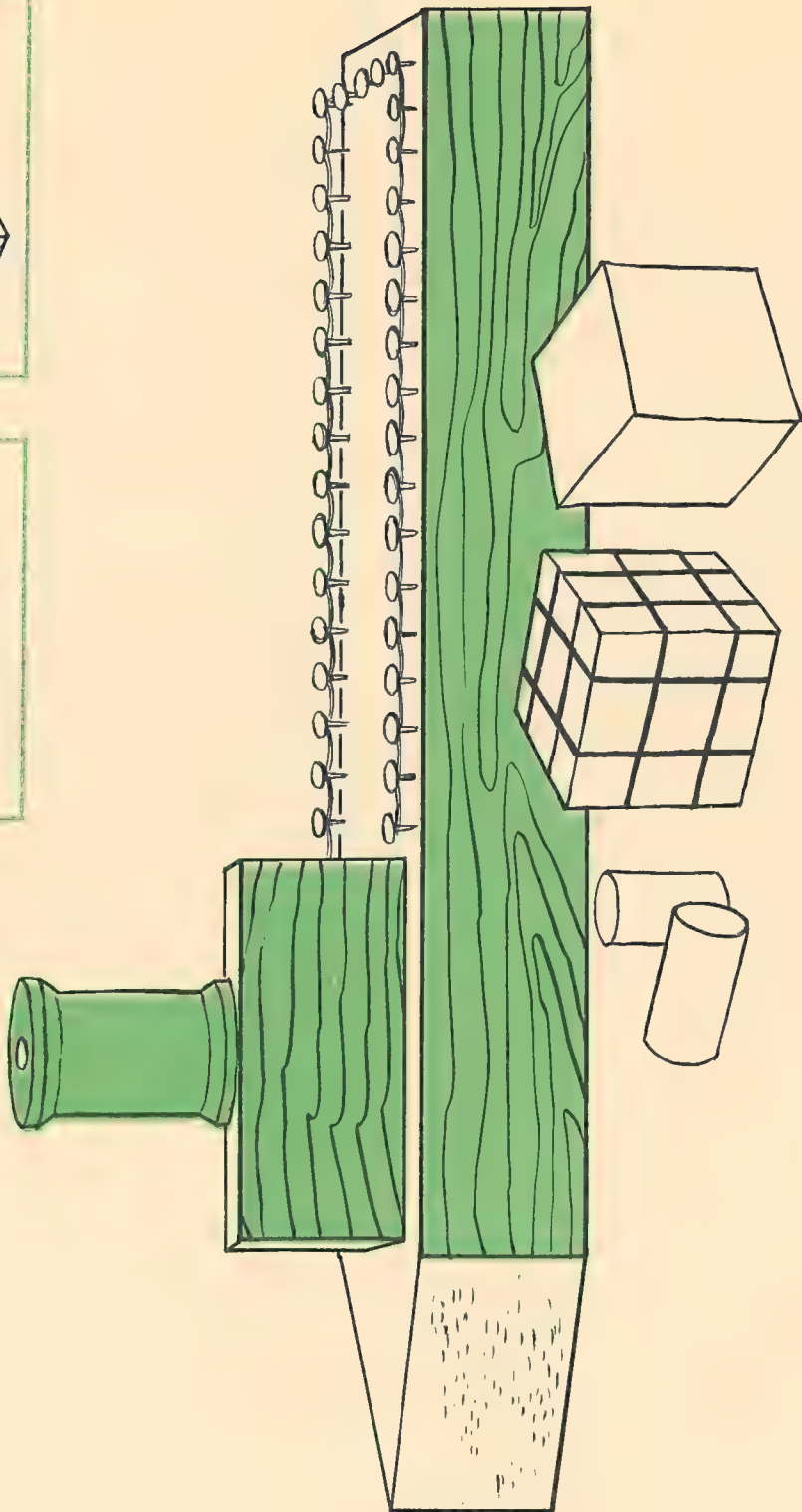
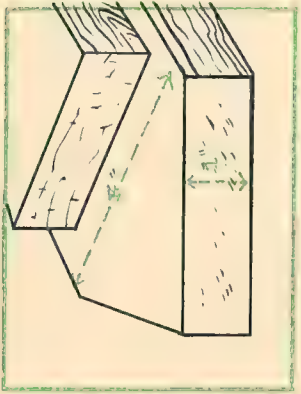
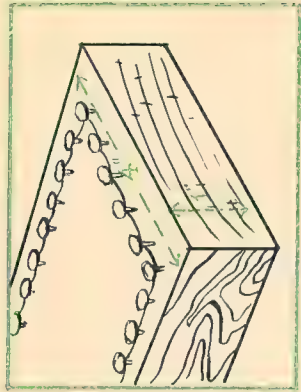


Next comes the cabin. If you turn the smaller piece of wood sideways, it will be 4 inches long. Glue a thread spool on top of this piece of wood to make a smokestack.



Now nail or glue the cabin to the hull of the boat. Note that the cabin is placed toward the bow, or front of the deck. But to hold the cargo and to be sure that the boat is safe for the crew you will need a railing for your freighter.

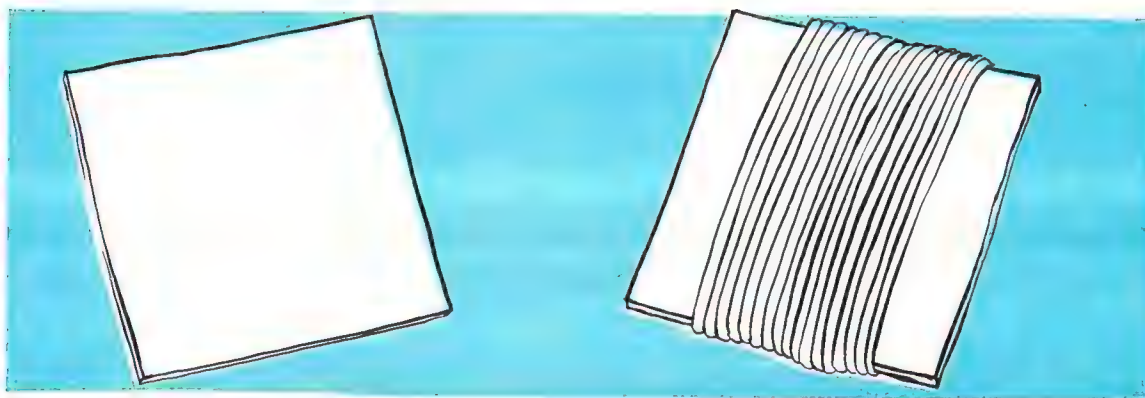
Along the edge of the hull evenly space small nails. And around each nail twist a cord to form the railing.



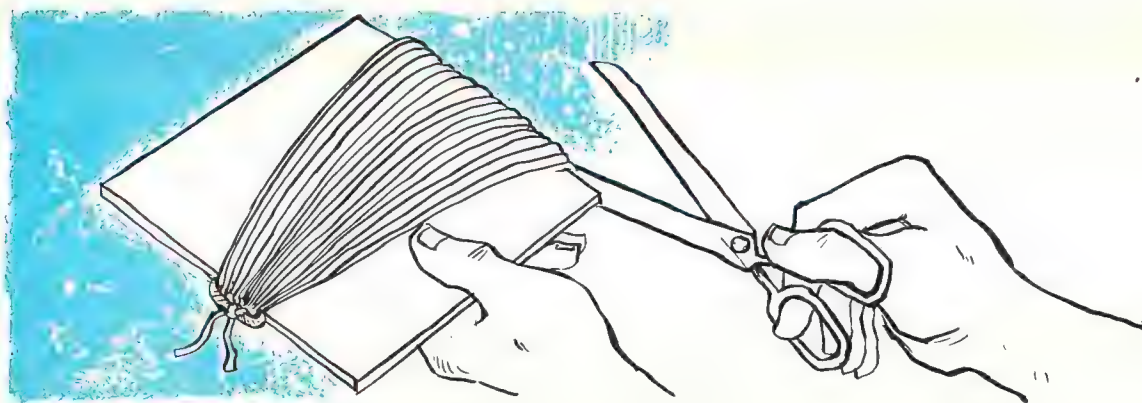
YARN DOLLS

THESE FLOPPY friends make wonderful zipper and light pulls, decorations for coats or dresses, or just plain toys.

Cut a piece of cardboard about $3\frac{1}{2}$ inches square. Wind some colorful yarn around it thirty times. Slip a double strand of yarn underneath all the yarn at one edge, pull it all together, and knot tightly.

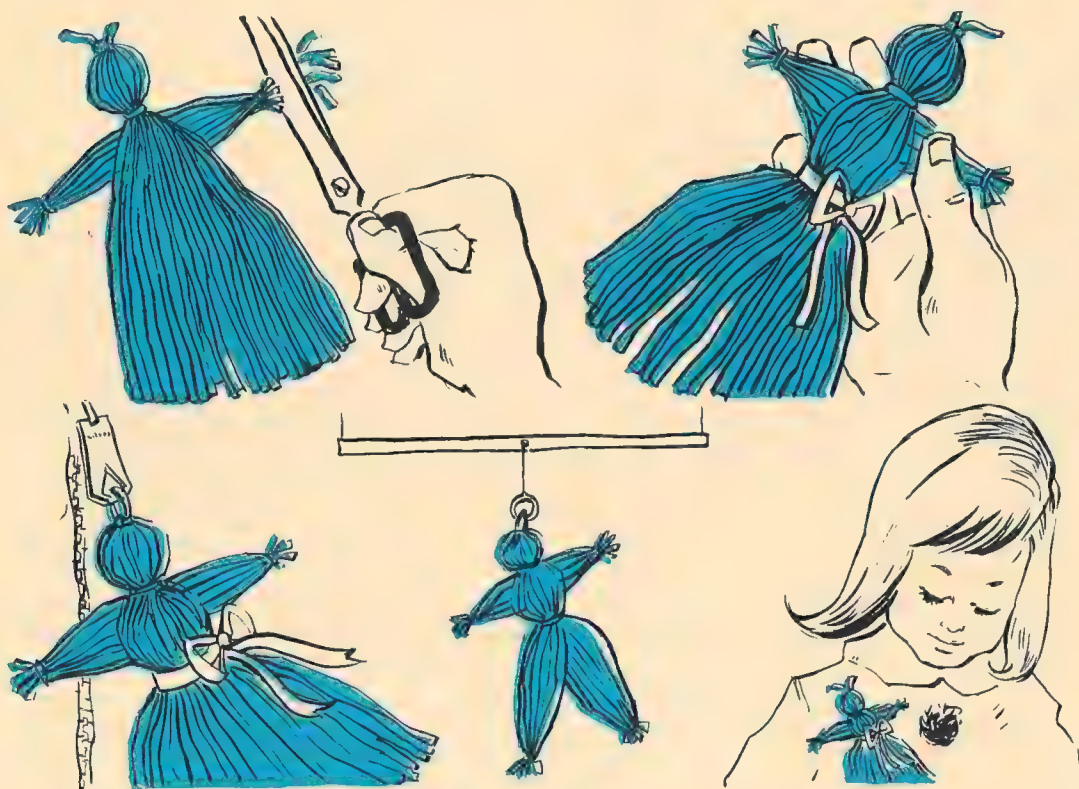


Now cut the yarn on the opposite edge of the card and remove the yarn. To make the head, tie another piece of yarn or a narrow ribbon about one-half inch down from the tie in the center.



Next come the arms. Separate ten strands of yarn on each side and tie them about halfway up to the neck. Cut a little below the tie : for the hands of your yarn doll.

With a piece of yarn or a narrow ribbon, tie off all the yarn that is left about halfway between the neck and the bottom. This will be the waist of the doll. If this is to be a girl doll you are finished. If you want it to be a little boy, divide the remaining yarn and tie off into two separate pants legs, leaving some yarn for the feet.



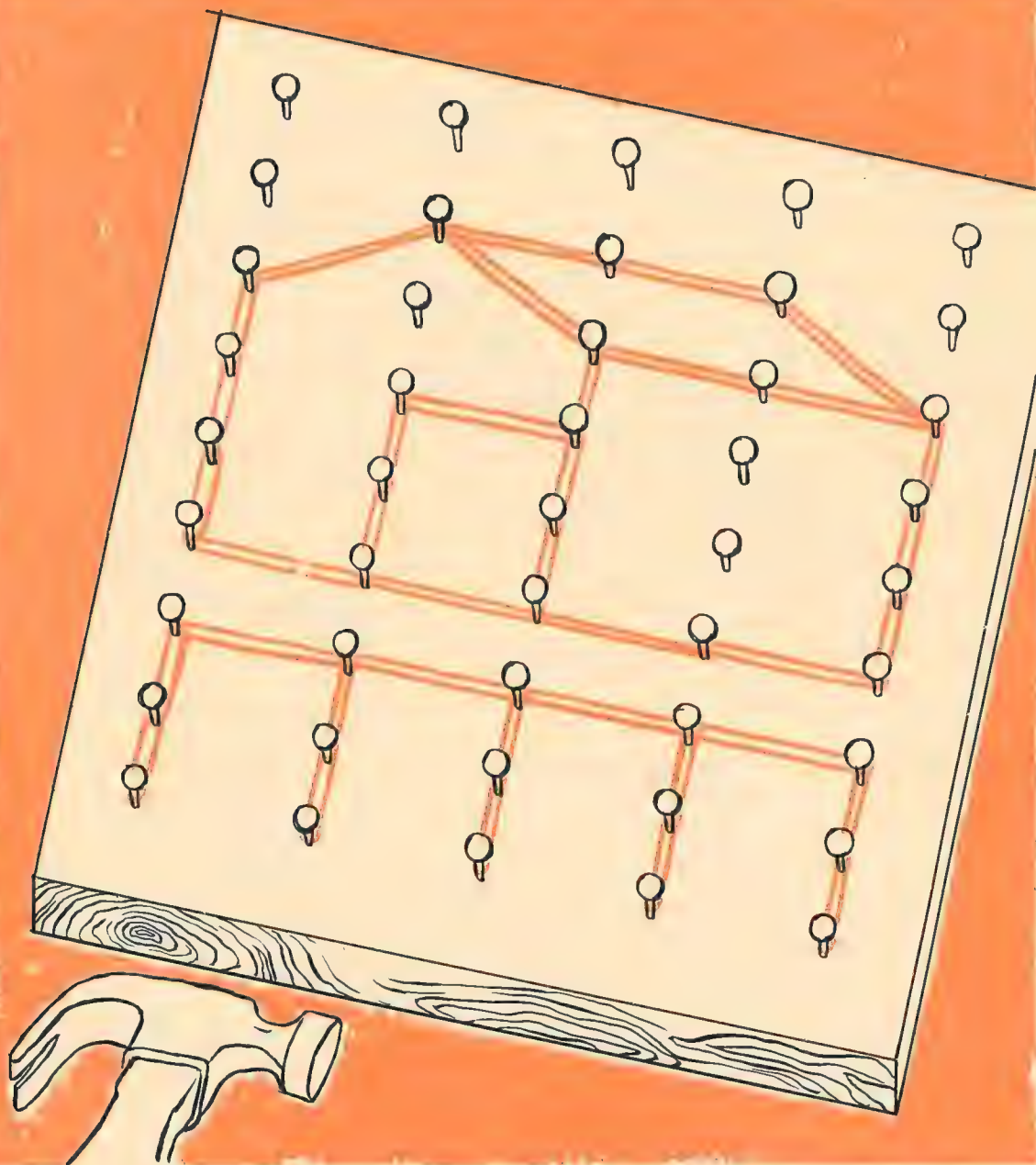
You can sew a face on if you like with some more yarn.

LET'S STRETCH A PICTURE

YOU WILL need a thick board or piece of plywood at least the size of a page of this book, plus about 45 nails, a hammer, and a handful of different-size rubber bands.

Pound the nails into the board like this:





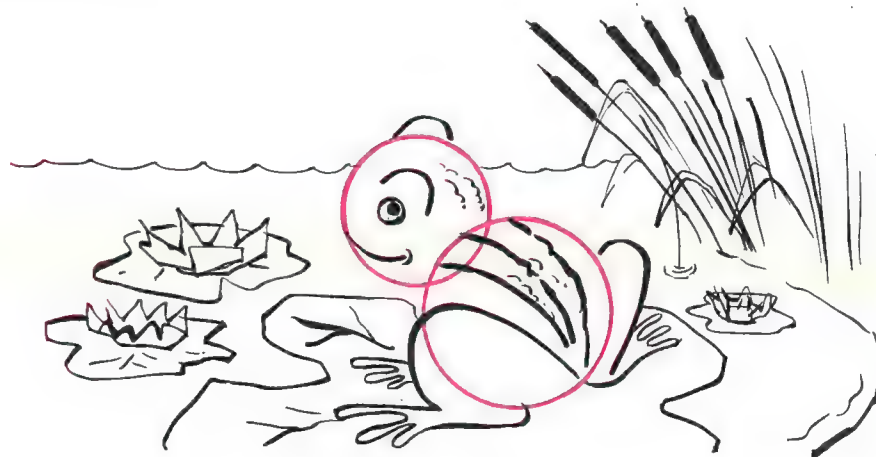
THREE FOR THE PRICE OF ONE

USING A penny and a quarter, you can draw a whole zoo of animals.

Here is a wise old owl. See if you can draw him yourself.



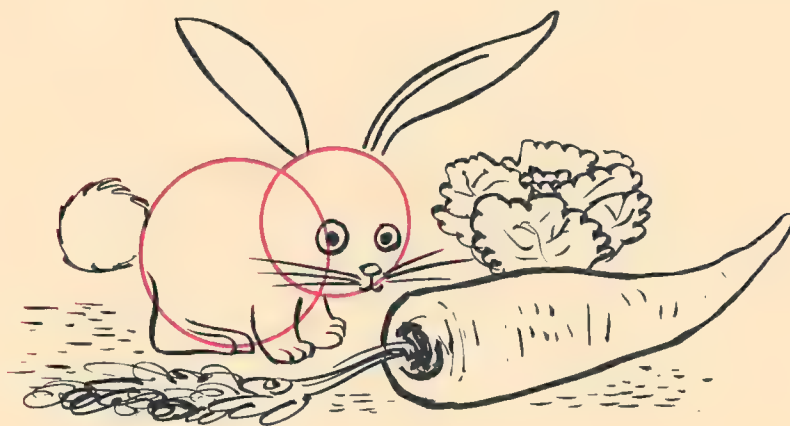
Look at the frog hopping on the grass. Can you draw him using your two coins?



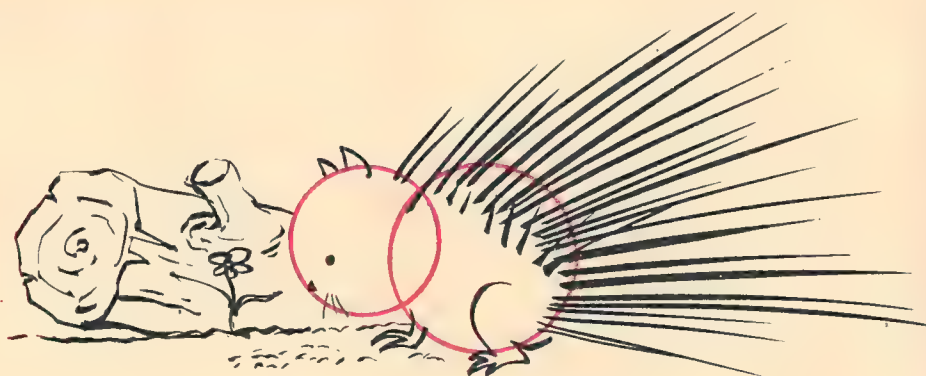
Here are a few other ideas.



The lion looks sort of friendly this way. You try him.



Now see if you can do some of your own. Don't forget to put the money back when you are finished.



TOOTHPICK PICTURES

A HANDFUL of toothpicks, some glue, pencils and crayons and you can become a toothpick picture artist. Use the heads shown here for the first few toothpick people you try. After that you will be able to think up your own ideas—anything from houses to animals can be part of toothpick land.

A whole toothpick is used for the body. If the legs or arms are straight, use a whole toothpick for them, too. If the legs or arms are bent, break the toothpick in half. Smaller pieces of toothpick make the hands and feet.

When you have the toothpicks placed on the paper the way you want the figures to look, glue them down tight.

Pencils or crayons can be helpful to fill in the faces and the hair, or to add the pipe or cane to complete your toothpick people.


Here are some ideas for completing the toothpick people.

Try using colored toothpicks to add more ideas to your artwork.





DOLL'S BUNK BED

YOUR DOLLS will sleep very comfortably in one of these bunk beds. You will need two shoe boxes, sixteen spreading brads () and corrugated cardboard.

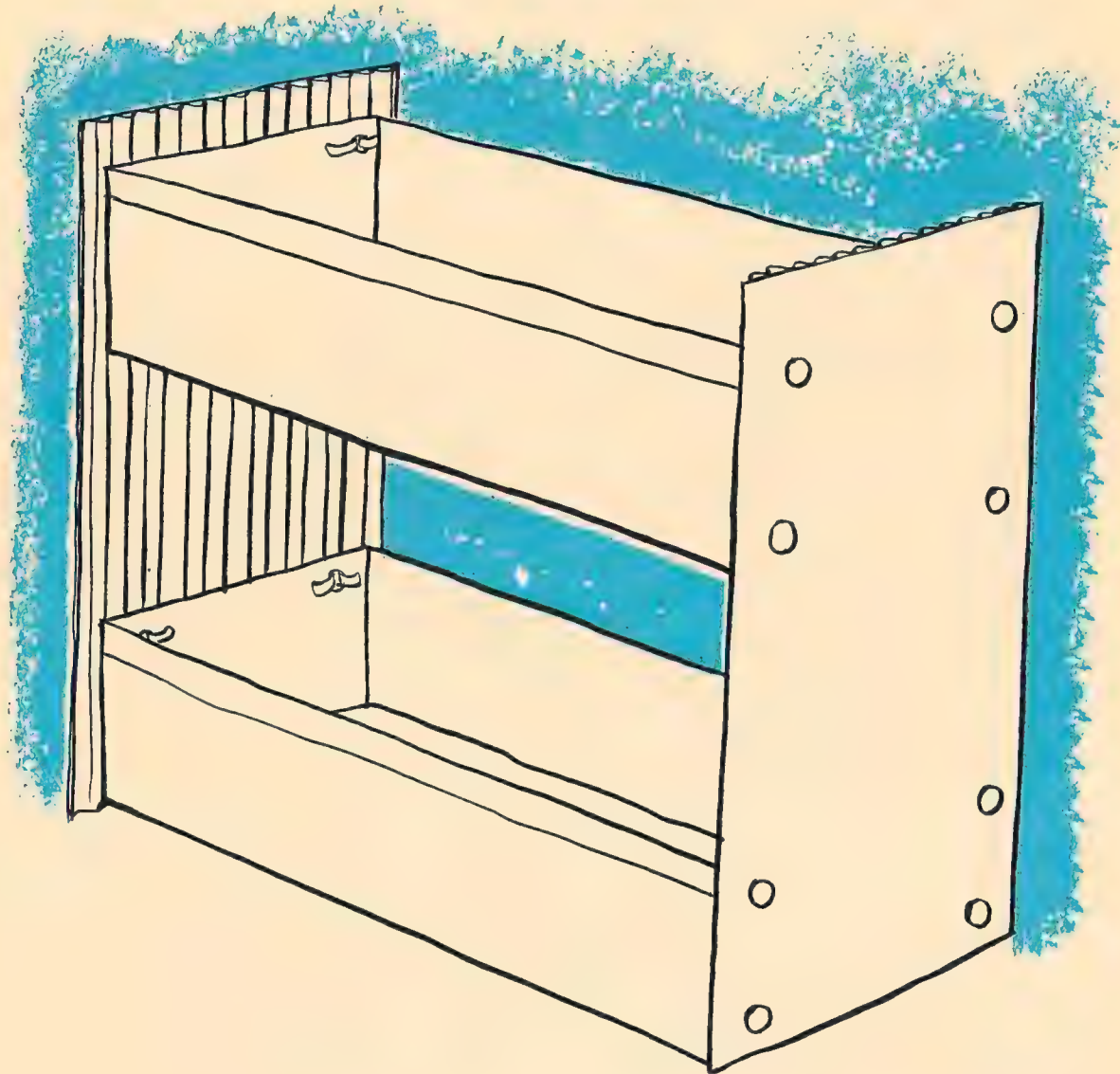
Take the corrugated cardboard and cut out two pieces, each 16 inches long and an inch wider than the width of the shoe box. These will be your headboard and footboard. If you like, put a border on each piece of cardboard by cutting out a designed edge.



Punch four holes in each end of both shoe boxes. The holes should be about a half inch in from each corner. Line up the corrugated cardboard headboard against one end of the shoe box. Make sure that you leave a half-inch border on both sides. Push a pencil through each hole in the shoe box and make a mark on the cardboard. Now

punch holes through the marked places on the cardboard and slip the brads through both the shoe box and the cardboard.

Follow the same steps and attach the footboard to the shoe box. Leave about five inches between the two shoeboxes and go on in the same way to attach the top bunk to the rest of the bed.



If you wish, paint and decorate your bunk bed and put your dolls to sleep.

PLAY DOUGH

HERE IS a recipe for fun.

1 cup flour

$\frac{3}{4}$ cup salt

$\frac{3}{4}$ cup water

Enough food coloring to color water.



Mix the salt and flour together in a large bowl. Slowly stir in the tinted water. Mix it well with a fork. Once all the water has been added, knead the dough with your hands until it is smooth and all one color.



Place some paper on the table and you are ready for the fun. Roll the dough out with a rolling pin. You can make roads on it for your small cars, or a landing strip for your airplanes. Form it into a bowl or draw faces in it; build a city or a playground.

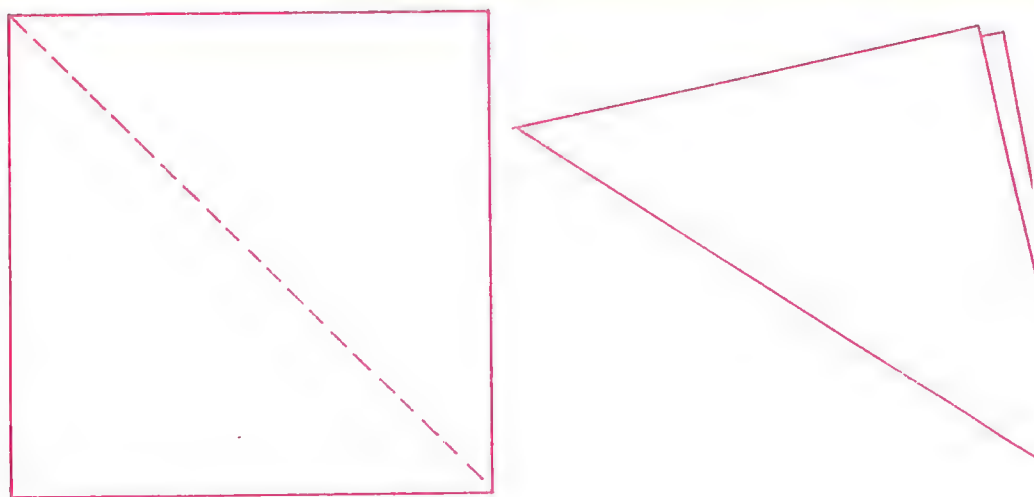
When you are finished, wash the toys and put the play dough in a plastic bag so it can be used again.



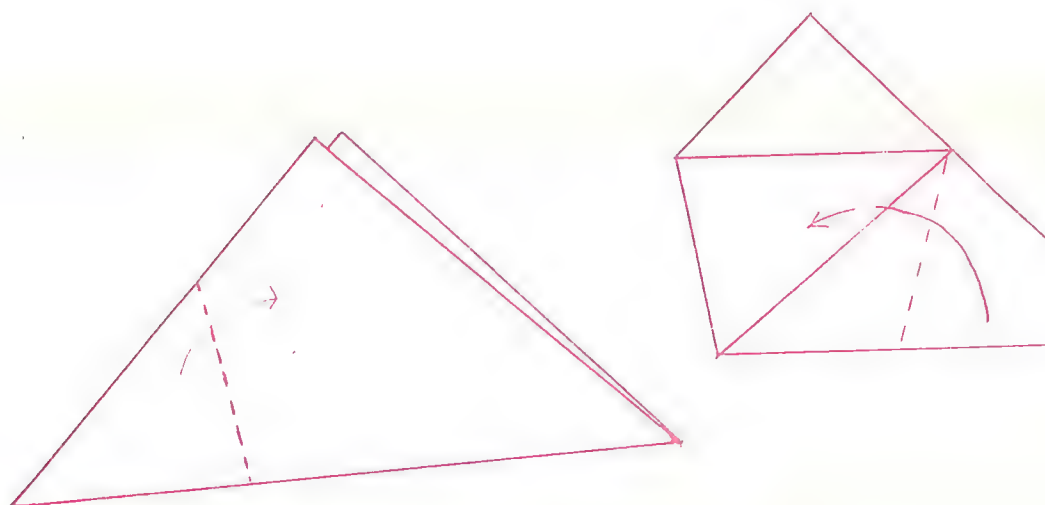
A PAPER CUP

YOU WILL never be thirsty because you couldn't find a cup if you can remember how to make this one out of paper. After you have finished folding your paper, put some water in it. You will see that it really works well.

Starting with a square piece of paper fold in half from corner to corner.

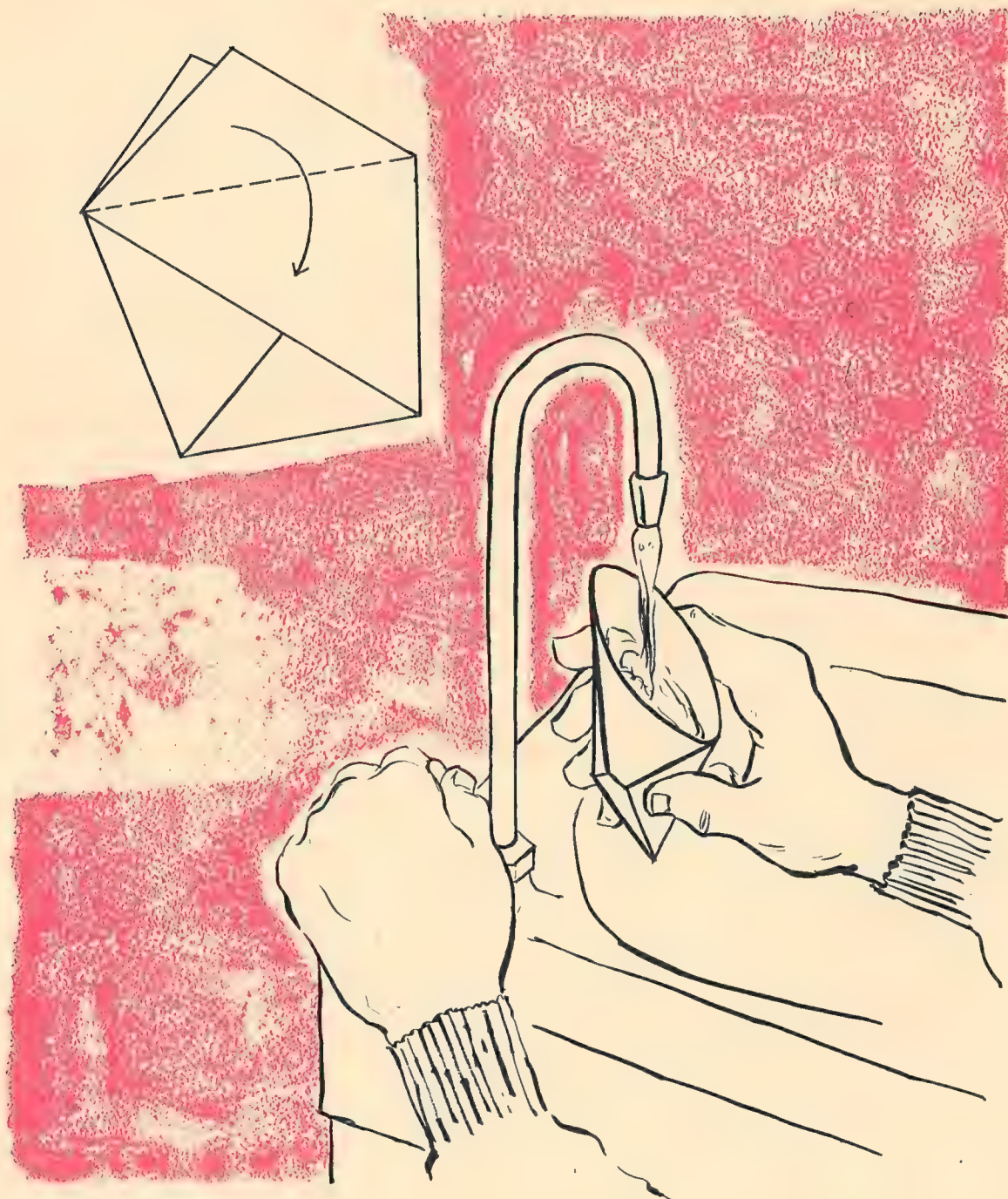


Now with the closed side facing you, fold over the two corners as shown.



With two more folds, the cup is finished. Separate the two top corners and fold each one back over the outside. Press all the folds in tightly.

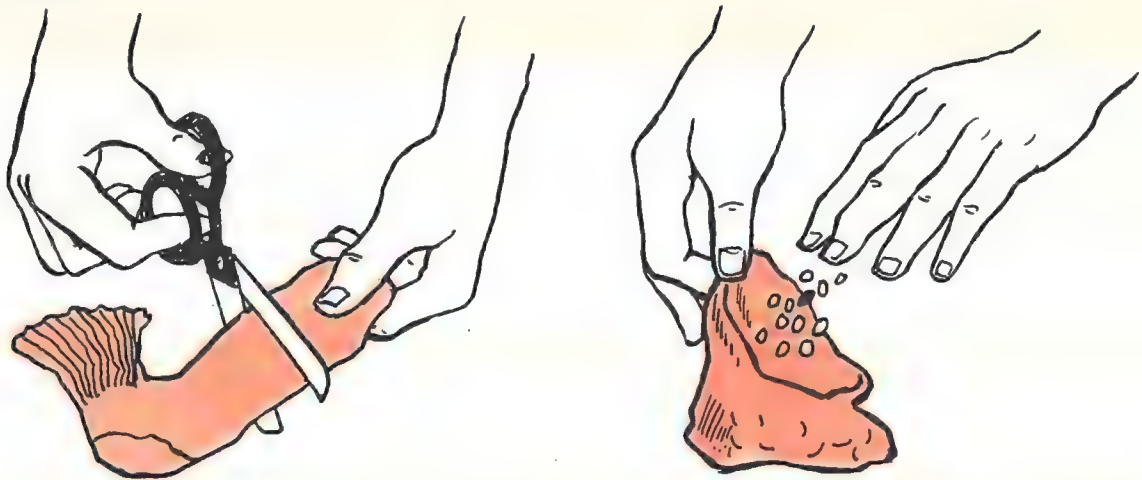
Open your cup by pressing the sides in.



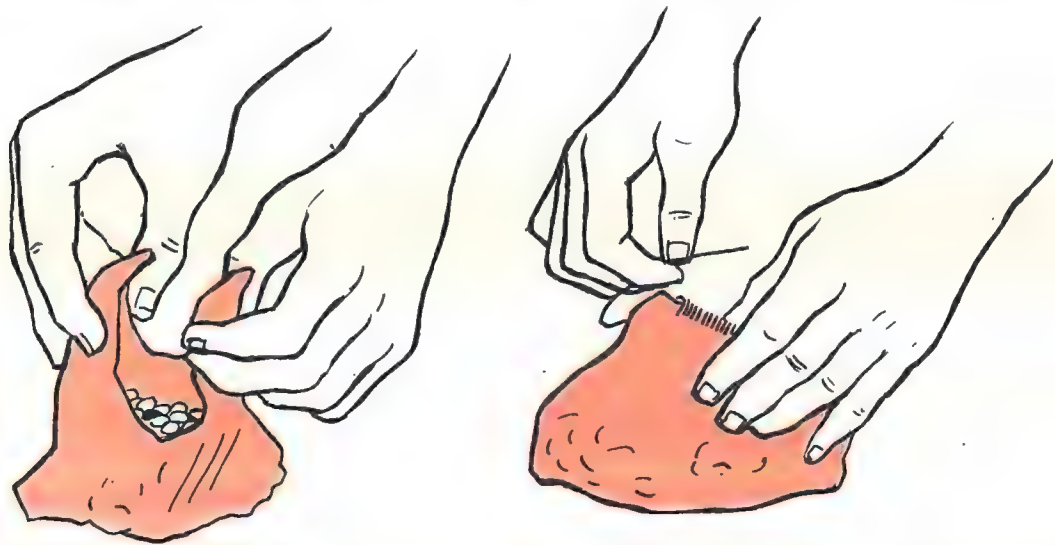
BEAN BAG

BEAN BAGS for games, bean bags to throw and slide on the floor, bean bags with faces and without faces.

Ask your father for one of his old socks. Cut off the toe about half way up the sock. Now fill the toe of the sock half full of dried beans.



Carefully fold in the open ends of the sock. Sew both ends closed. Make small stitches, so you are sure not to lose any of the beans.



Colored scraps of material for the eye, nose and mouth give it a face. Add funny ears and hair or a hat if you like. As a Christmas present you might make a Santa Claus face.



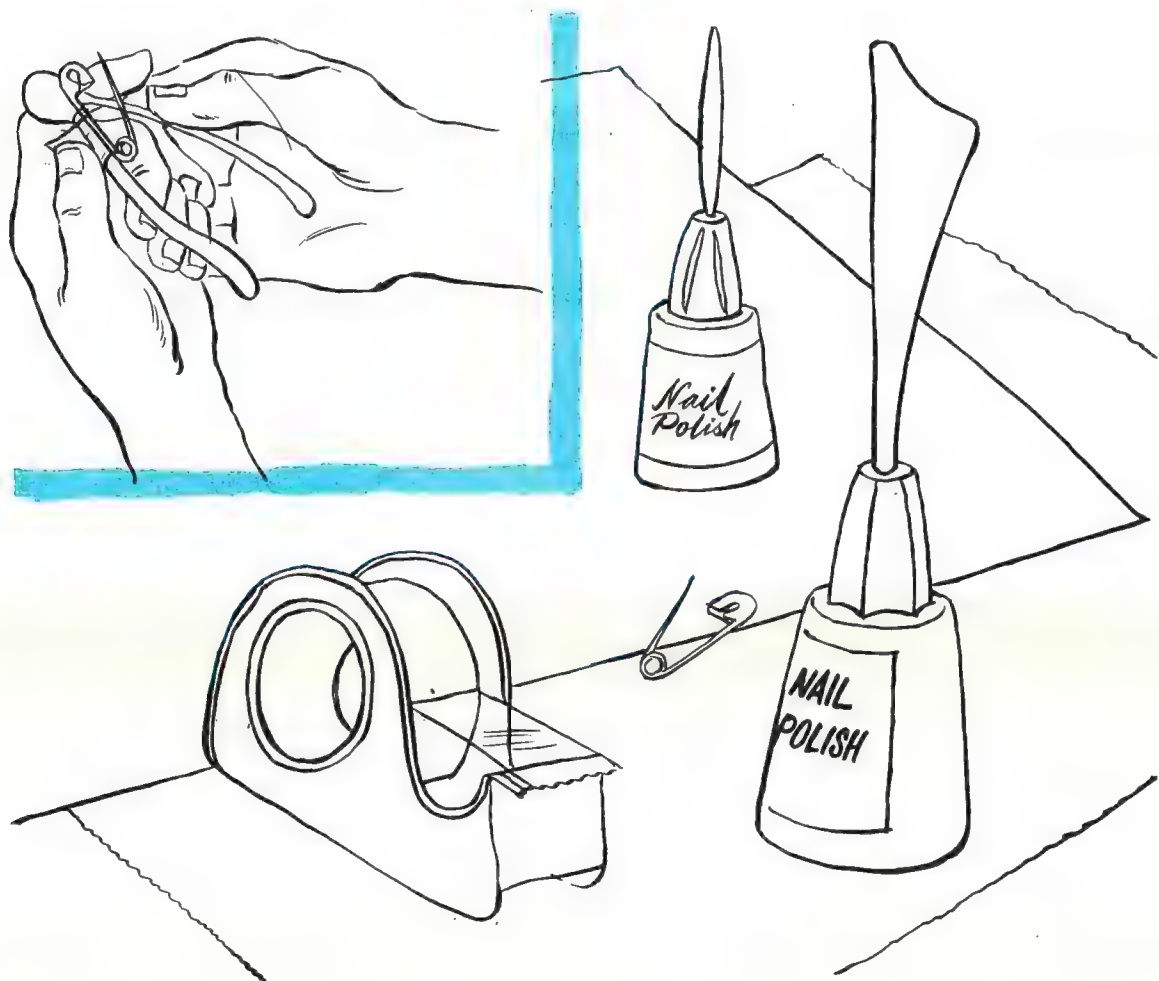
WISHBONE BADGES

THE WISHBONE of a chicken will be your good-luck pin. Pin it on your shirt or blouse and you are sure to have a wonderful day.

Take the wishbone from a chicken and dry it out for a few days. Put it in a sunny spot to be sure it is dry. Now it is ready to be turned into a wishbone badge.

You will need a small safety pin, some Scotch tape, a few pages of newspaper to work on, and with your mother's permission one or two bright shades of her nail polish.

Take the pin and attach it to the wishbone by wrapping it tightly to the bone with the Scotch tape.



Spread the paper on your work area before you start the next step. You will be using the nail polish. Remember that nail polish, if spilled, will leave a permanent stain. Using the brush in the polish bottle neatly cover the entire wishbone. If you hold it by the pin, you can color the back side.

When the first coat is completely dry, use the second shade to paint a design.

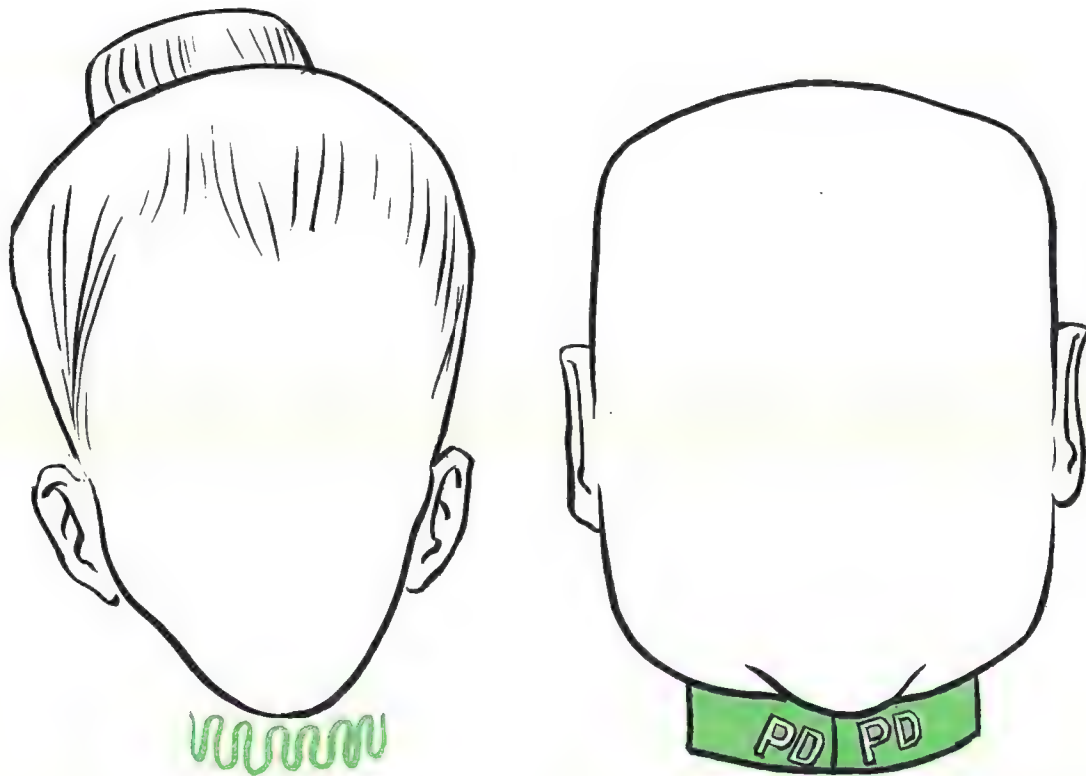


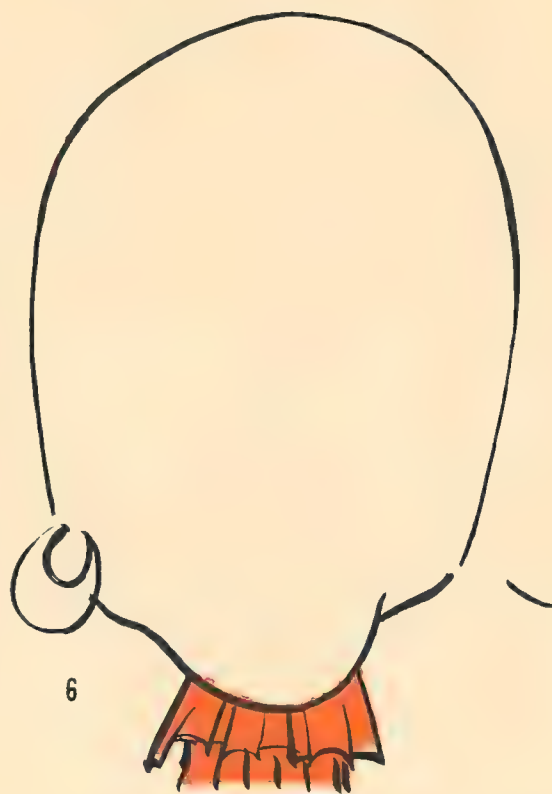
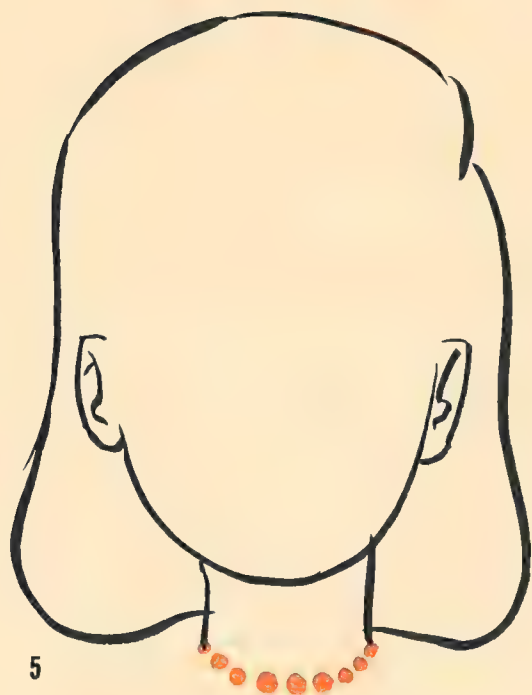
FILL IN THE FACES

LOOK AT all the heads! A long one (1), a fat one (2), with hair (3), and without (4), with ears (5), and without (6).

Some of them are happy, some are sad. Maybe one is smoking a cigar and maybe one would like a pipe. Is one wearing a hat? How about some eyeglasses or a mustache, or is one a pirate with an eye-patch.

What do you think? It might be fun to see how different you can make each one look. A pencil to draw in what is missing and some crayons to color with are all you need to make some new friends.

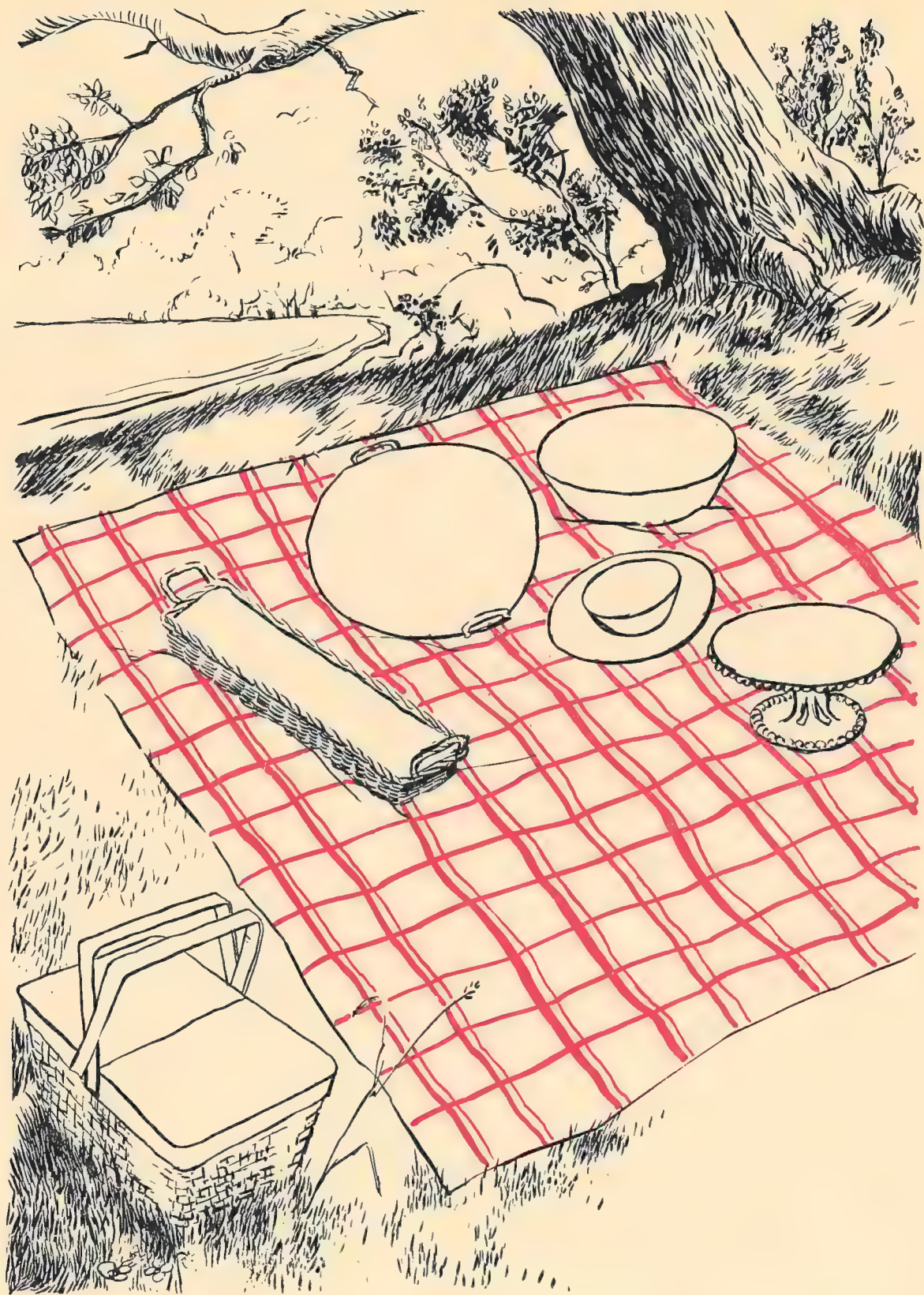




LET'S HAVE A PICNIC

THE TABLECLOTH is spread on the grass in a shady spot. Everyone is ready to enjoy the picnic spread. All you have to do is cut out the pictures, color them, and set up the picnic.

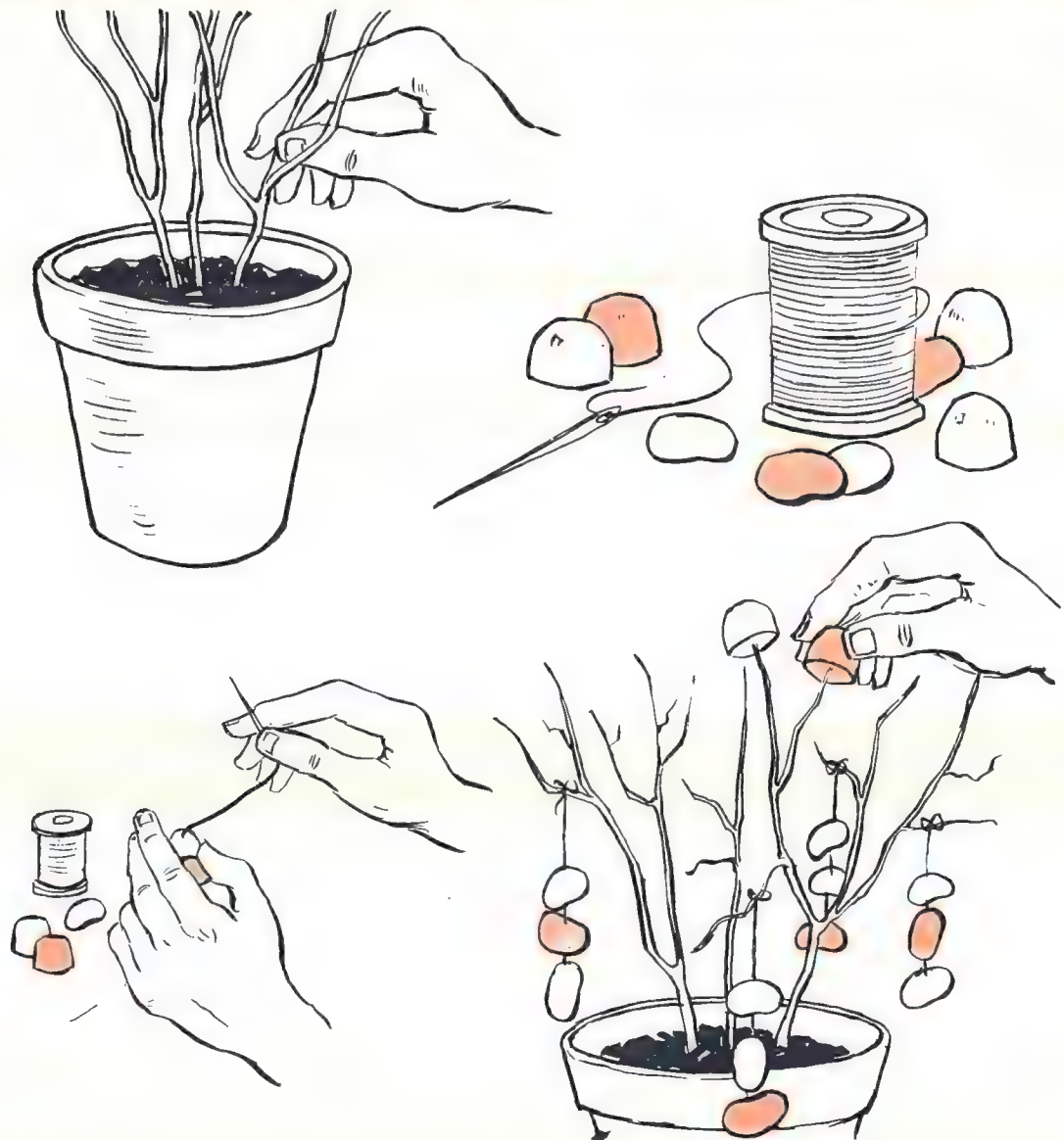




EASTER EGG TREE

IF YOUR family has a special dinner when Easter rolls around, you can make an Easter egg tree as a table decoration. Ask your mother for an empty flower pot. Cover the sides with aluminum foil and tie it in place with a large lavender bow.

Fill the pot with soil or sand and plant no more than three or four twigs in it. With a handful of jelly beans and gumdrops, a long



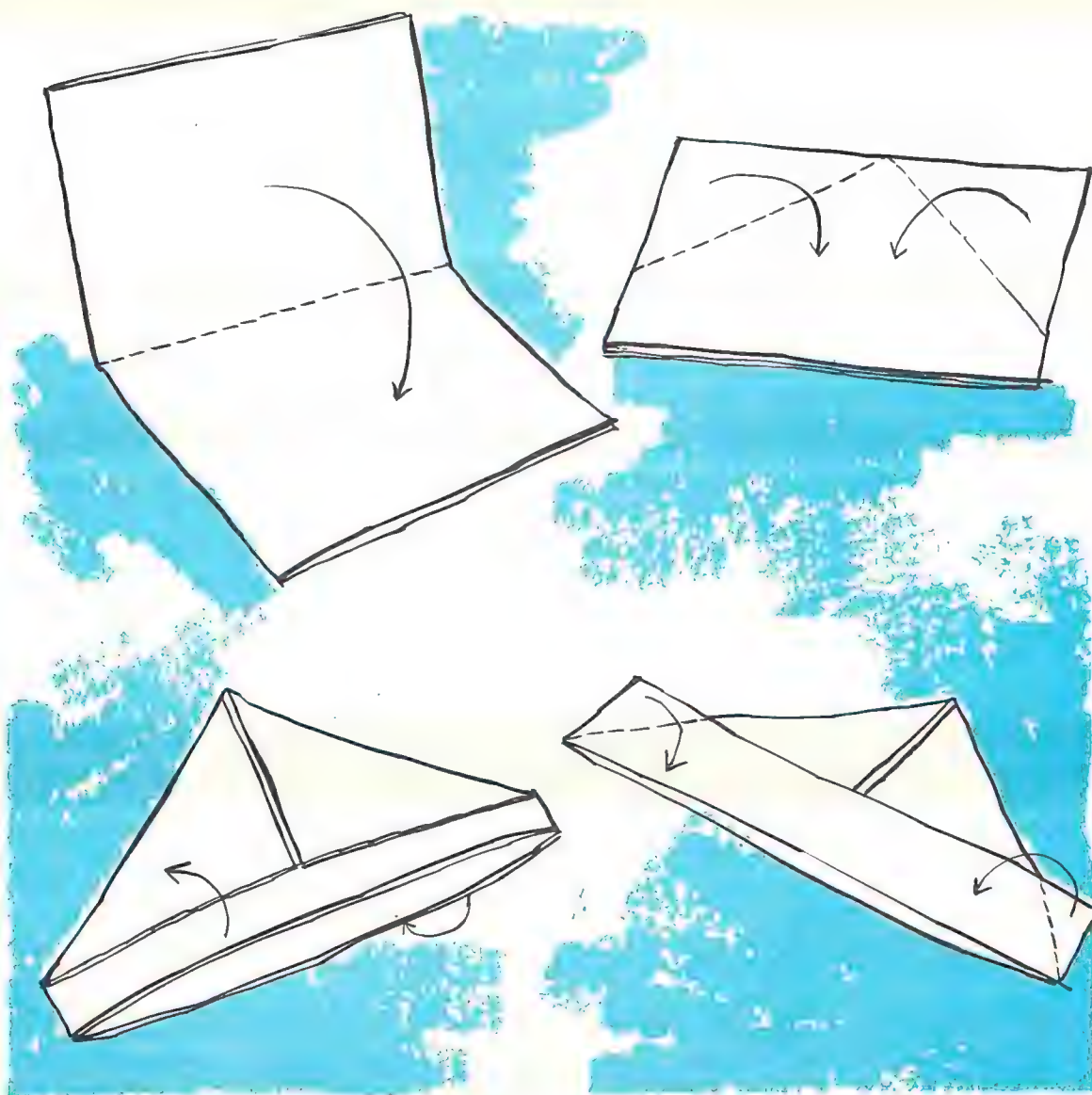
needle, and lavender thread you are all set to decorate the small tree. Knot the thread and push the needle through one, two or three jelly beans, then cut the thread and tie it to the twig. Fill the twigs with hanging groups of jelly beans made the same way. Gently push the gumdrops onto the ends of the twigs. Now your tree is ready for the table.



PAPER HAT

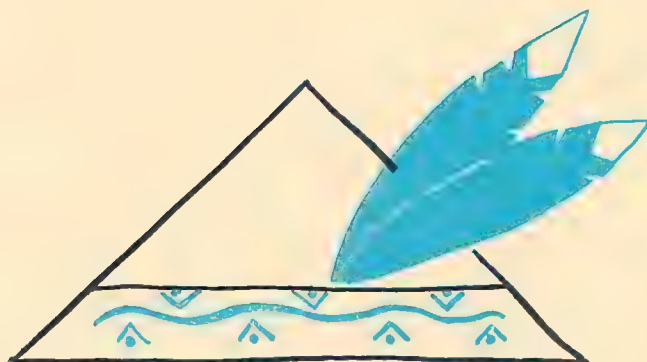
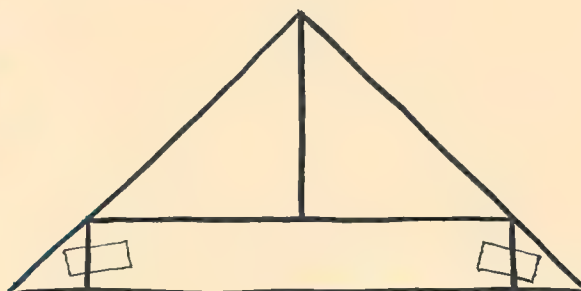
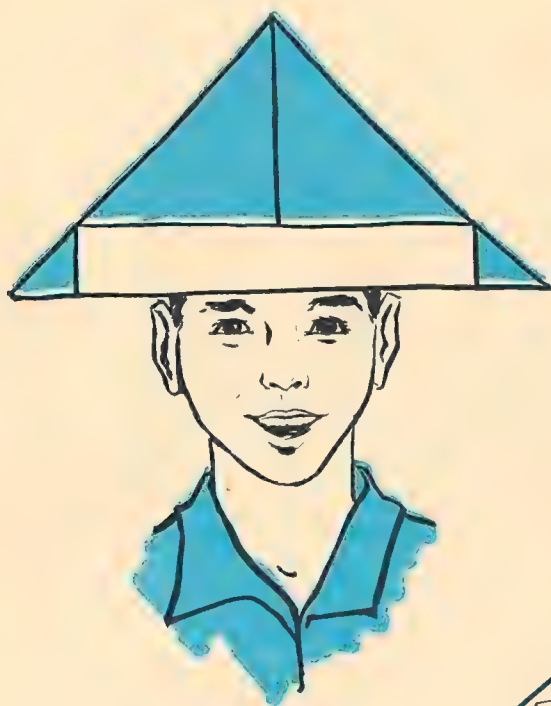
A PIECE of newspaper can become a hat for you. Try this one on for size and then go on to the helmet and see if you can make that one too.

Fold the newspaper in half with the fold on top. Then turn down the two upper corners so that they meet at the center, leaving a border at the bottom.



Now separate the bottom section into two parts and fold back each one so as to leave an opening. Fold the corners down with scotch tape to make sure the hat does not come apart.

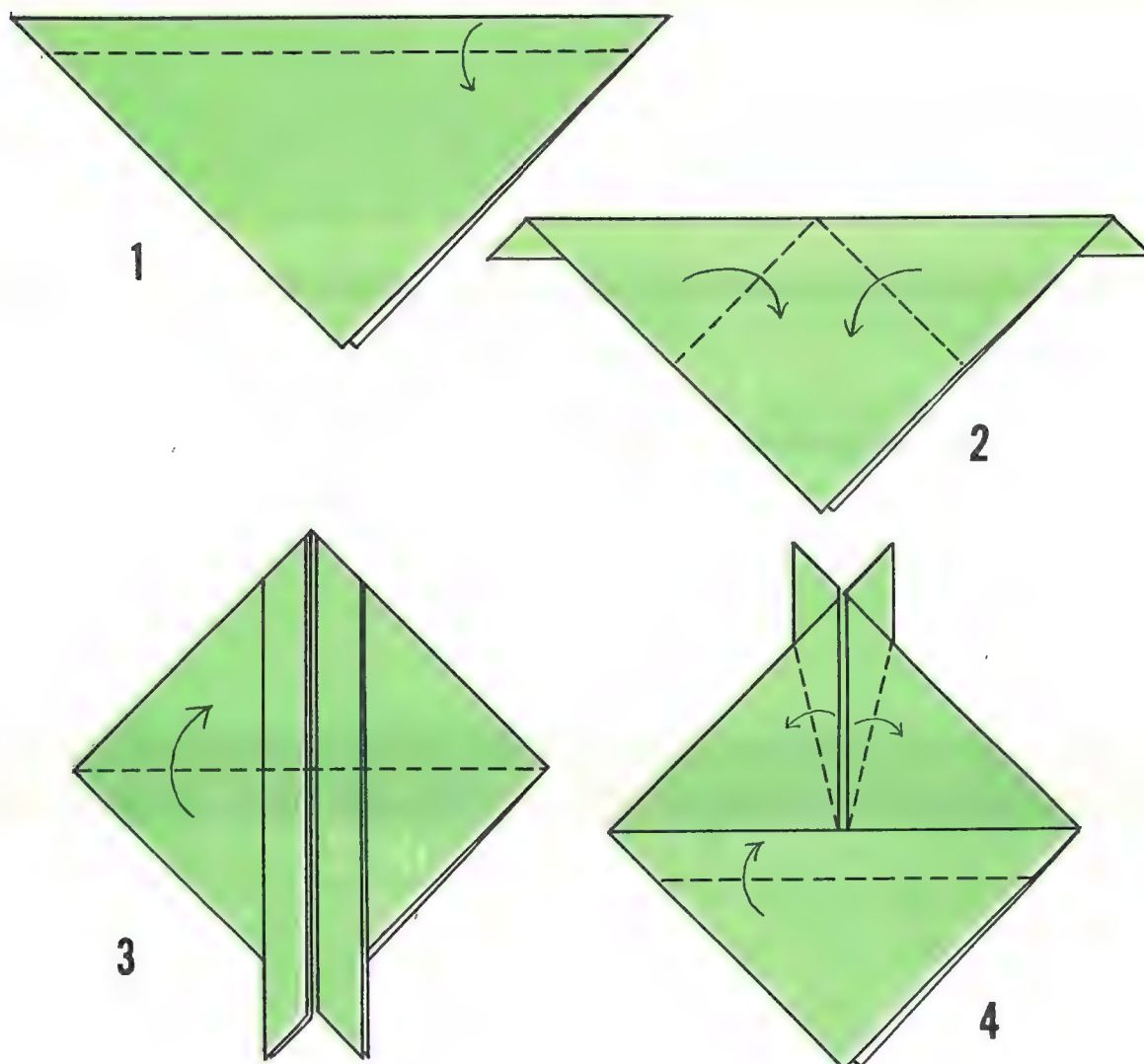
Put it on your head as it is. Or, if you like, add some crayon color or a paper feather or two.



A JAPANESE PAPER HELMET

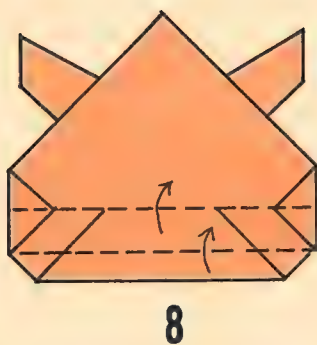
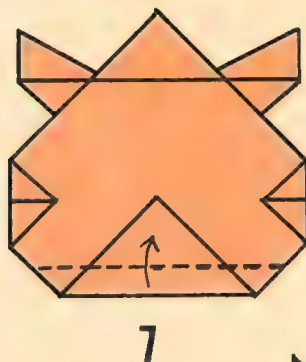
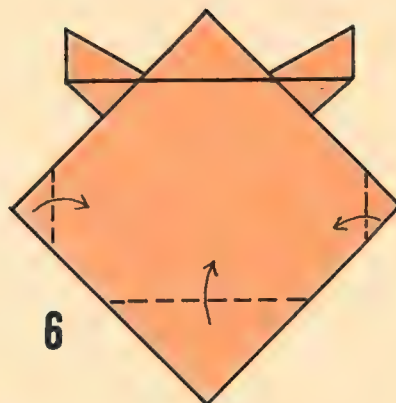
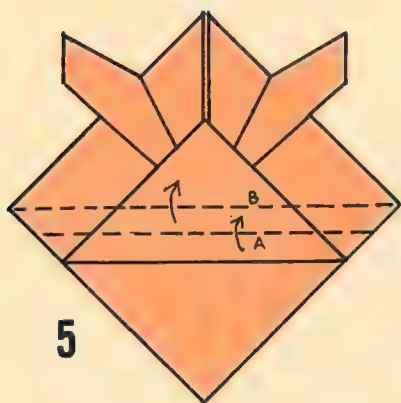
IN THE far-off country of Japan the children learn very young to fold many lovely things from paper. Here is one kind of hat they make.

Carefully follow the folds in the pictures. A full-size sheet of newspaper will make a hat just the right size for wearing. Fold along the dotted lines, step by step.



When you get to step 5, first fold line A and then line B.

Fold over the last side and you are ready to put the hat on and lead a parade.



SHADOW PICTURES

JUST BY putting your hands between a strong light and a plain wall you can tell your own animal stories with pictures. Your shadow animals can seem to move or talk as you practice to make them do what you want them to.

Can you tell this story? A butterfly . . .



was watching from a tree. A small rabbit . . .

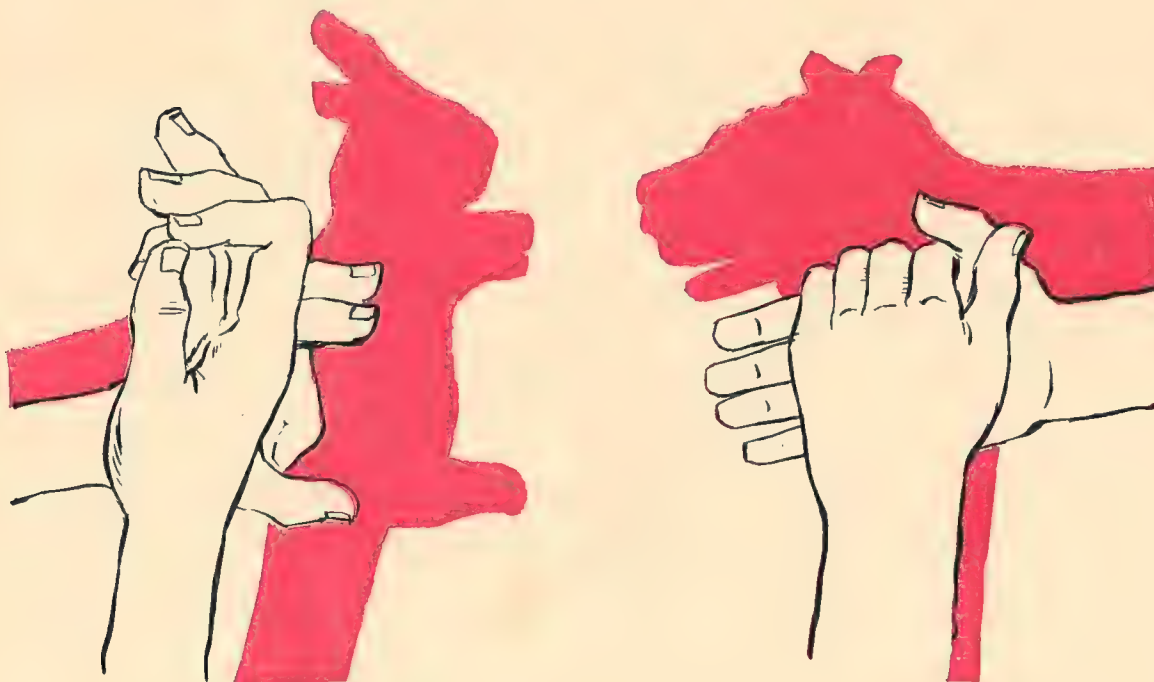


was watching from the ground.

A bear didn't believe his eyes.



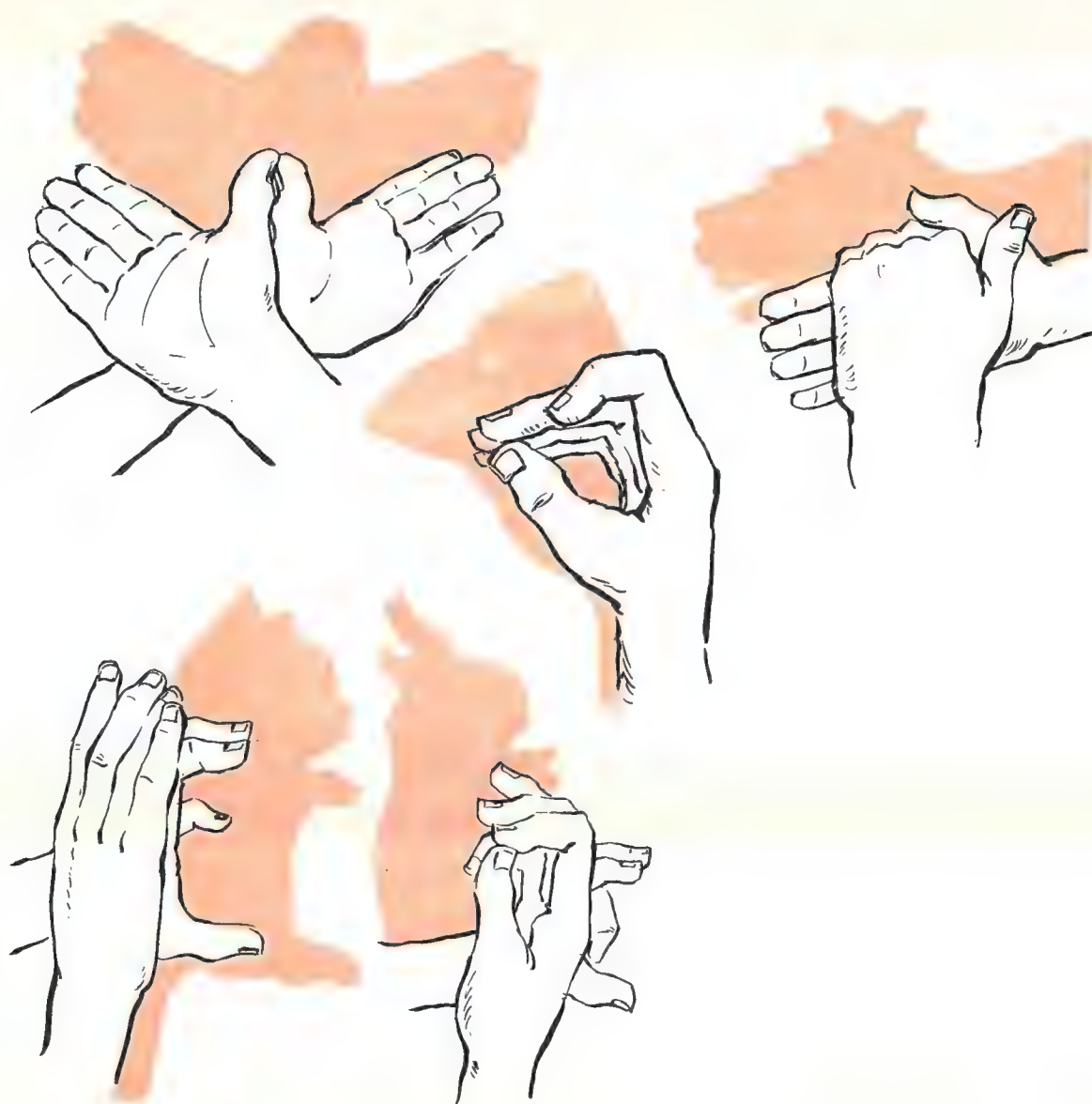
The dog even forgot to chase the rabbit.



Everyone had gathered around to meet this strange animal.

Can you guess? It was a camel!

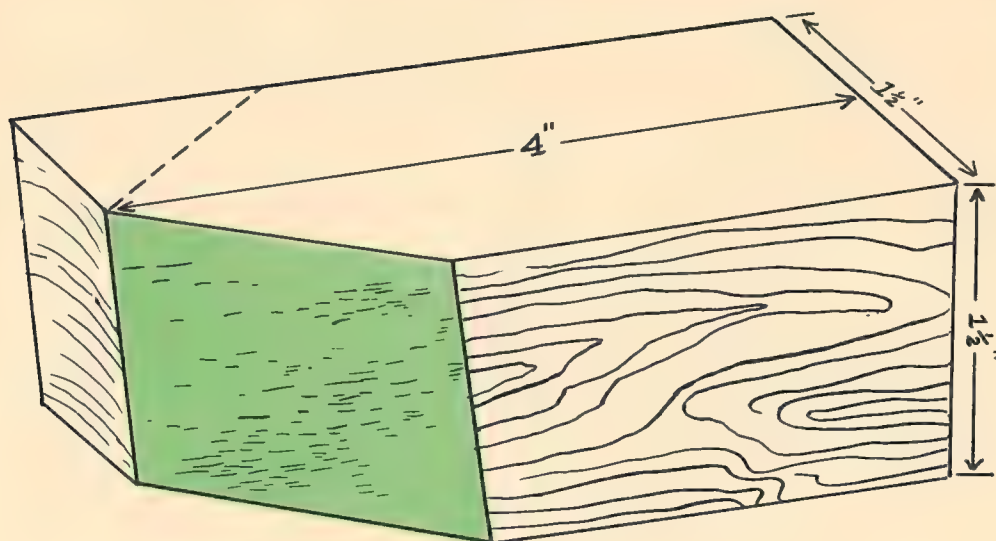
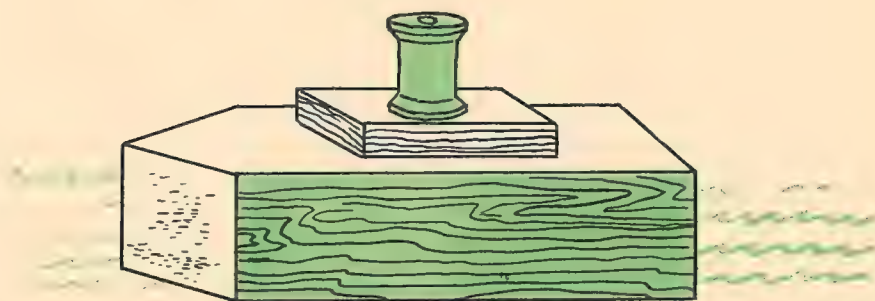
And there are many other animals you can invent with your hands. Try imitating their voices to help tell the story. A wiggle of a finger may make them move an ear or a mouth to make your story animals talk.



TWO TUGBOATS

TUGBOATS pull barges up the river and help the big ocean liners dock. You can play with these two in the bath.

To make the tugboat in the first picture you will need a piece of wood $1\frac{1}{2}$ inches wide, $1\frac{1}{2}$ inches thick, and about 4 inches long. This will be used for the bottom or the hull of the boat. Trim off the front to form the prow of your tugboat.



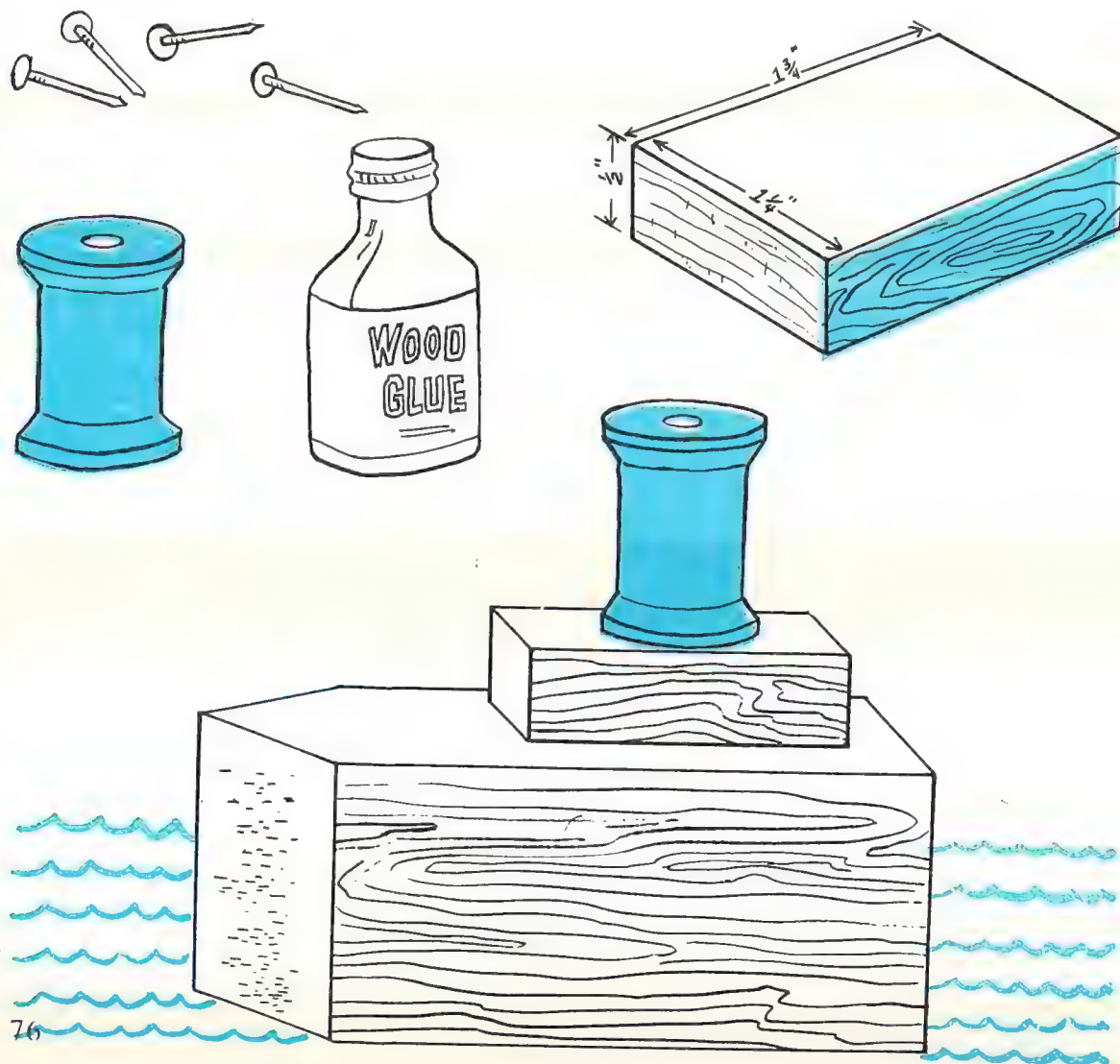
The small piece of wood on top of the hull—the pilothouse—should be about $\frac{1}{2}$ inch thick, $1\frac{1}{4}$ inches wide, and $1\frac{3}{4}$ inches long. A few nails or some wood glue will hold it in place.

The second tug has a little more room for the captain and his crew.

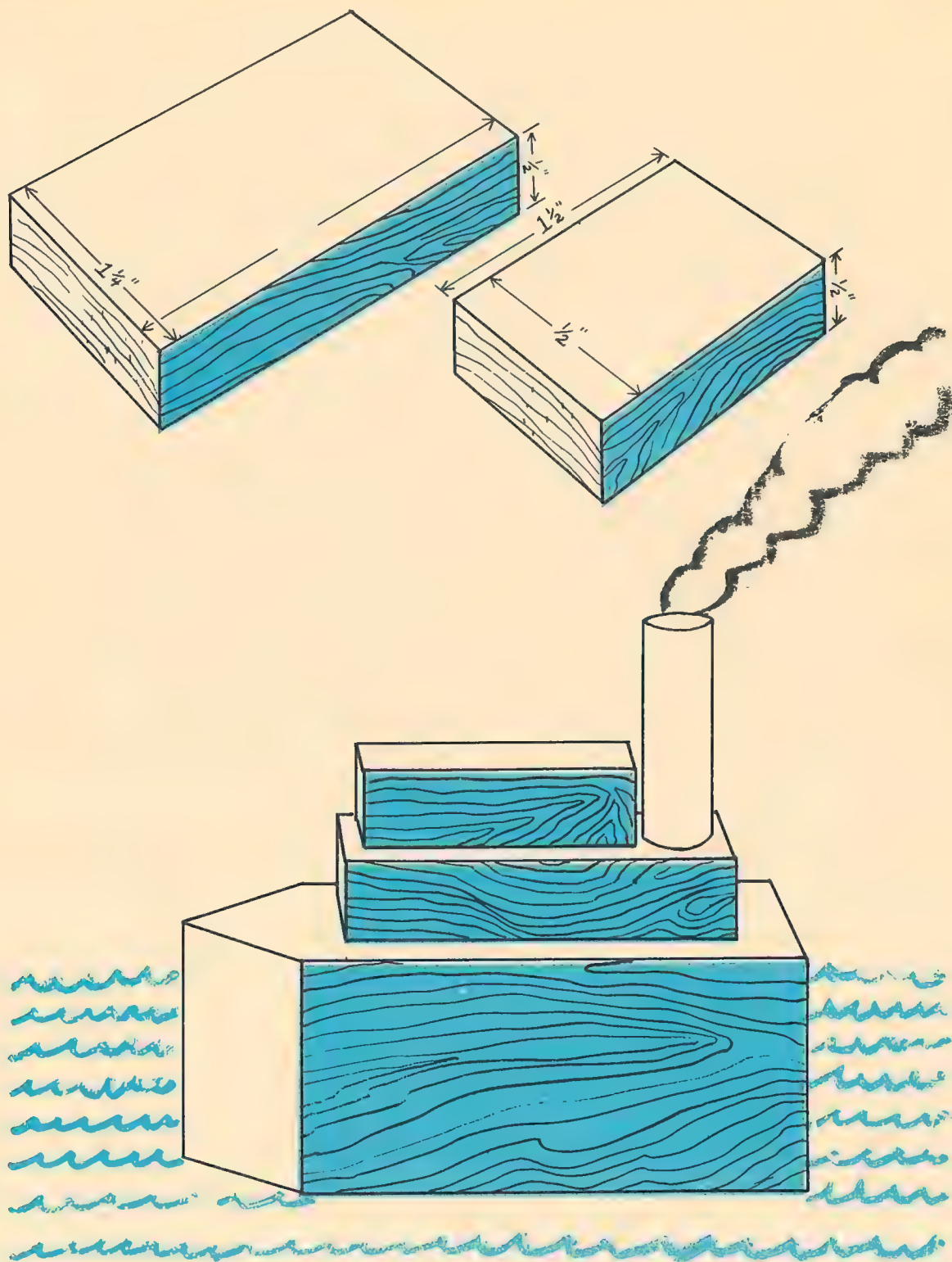
Start with the same size piece of wood for the hull. The cabin this time is made up of two blocks and a smokestack as well.

The larger of the two small blocks should be just a little longer than your first pilothouse—up to about $2\frac{1}{2}$ inches long. The other dimensions can be the same as the first tugboat's pilothouse. The other small piece of wood should be about $1\frac{1}{2}$ inches long, about $\frac{1}{2}$ inch thick and $\frac{1}{2}$ inch wide.

The smokestack this time can be a roll of paper or a dowel glued just behind the cabin.



Remember to be careful when you use the hammer and nails. Your father or an older brother might help you.



MAKE A PUZZLE

JIGSAW PUZZLES are fun to put together, especially when you make them yourself.

First color in the picture on the next page.

Now cut the whole picture out. Paste it on a piece of cardboard. Cut the cardboard to fit the picture. Put some heavy books on the pasted picture so the paste is sure to stick in every corner.

When the paste is dry, cut along the lines that were drawn through the picture.



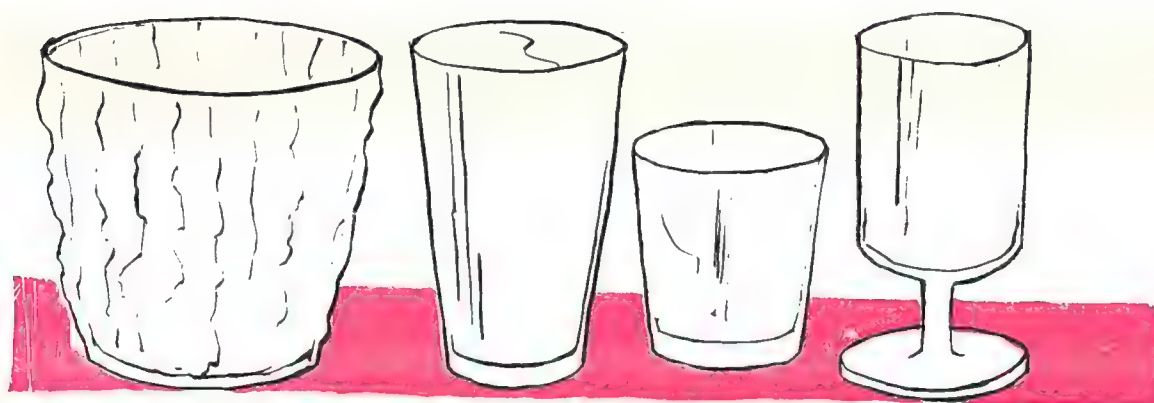
Try to put the puzzle back together.

You will be able to keep your puzzle a long time if you put all the pieces in a bag and mark it on the outside so that you can find it again.



MUSICAL GLASSES

WITH YOUR mother's permission, select as many glasses as you can find of different sizes and shapes.



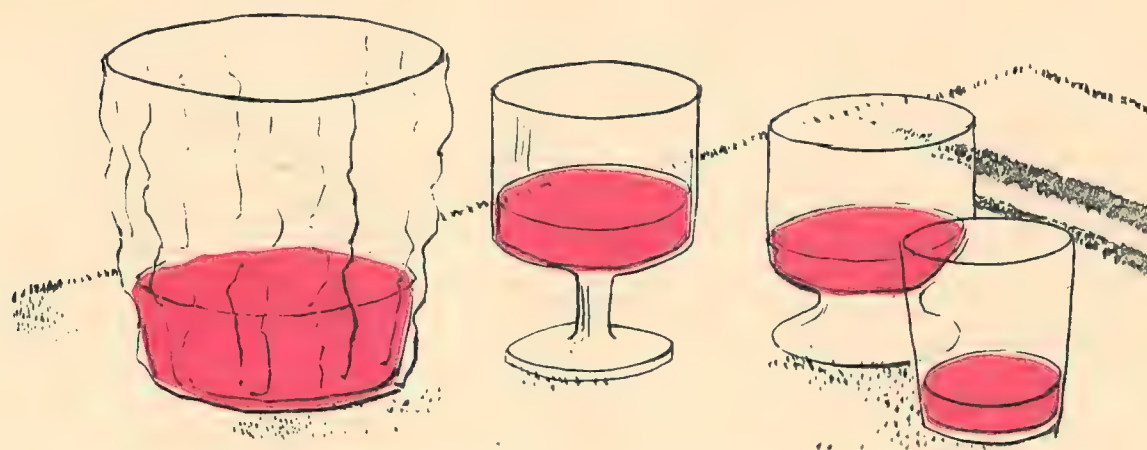
Place all the glasses on a large towel. Now test them for different sounds. With a small stick or an unsharpened pencil, gently tap against the glasses. Listen to the different tones.



How carefully did you listen? Are some of the sounds higher than others? Arrange the glasses on the towel so that the tones go up in order, with the lowest sound on one end and the highest on the other.



Now try adding water to some of the glasses. Notice that the tones become lower. By adding water in different amounts and shifting the glasses around, you will be able to make a scale just like the one on a piano or a toy xylophone.



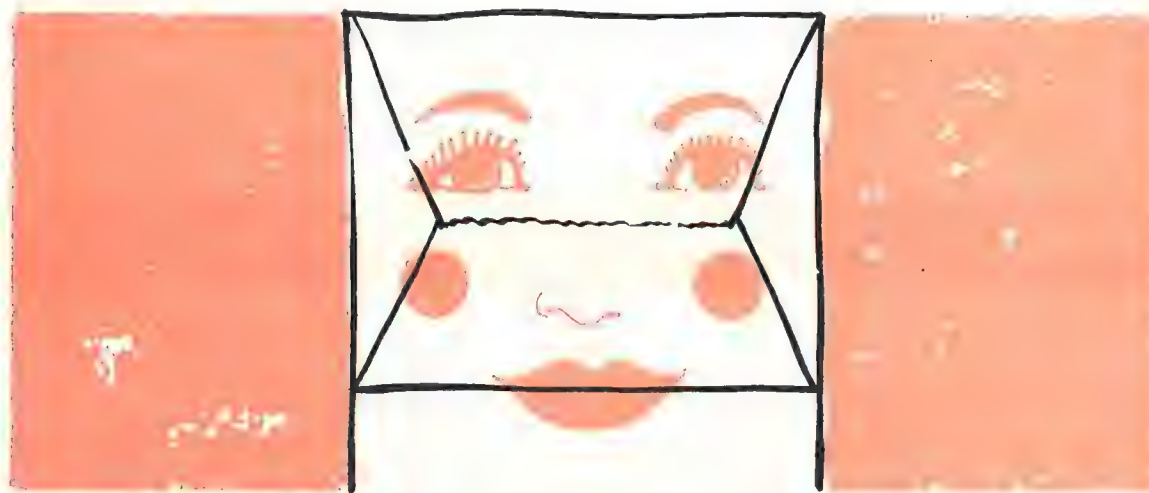
Try to tap out some songs. *Jingle Bells* is a good one to start on.

PAPER BAG PUPPETS

A PAPER BAG can be changed into a happy playmate. Find a bag that is not too large. It must have a flat bottom. Fold the bottom of the bag like the picture.

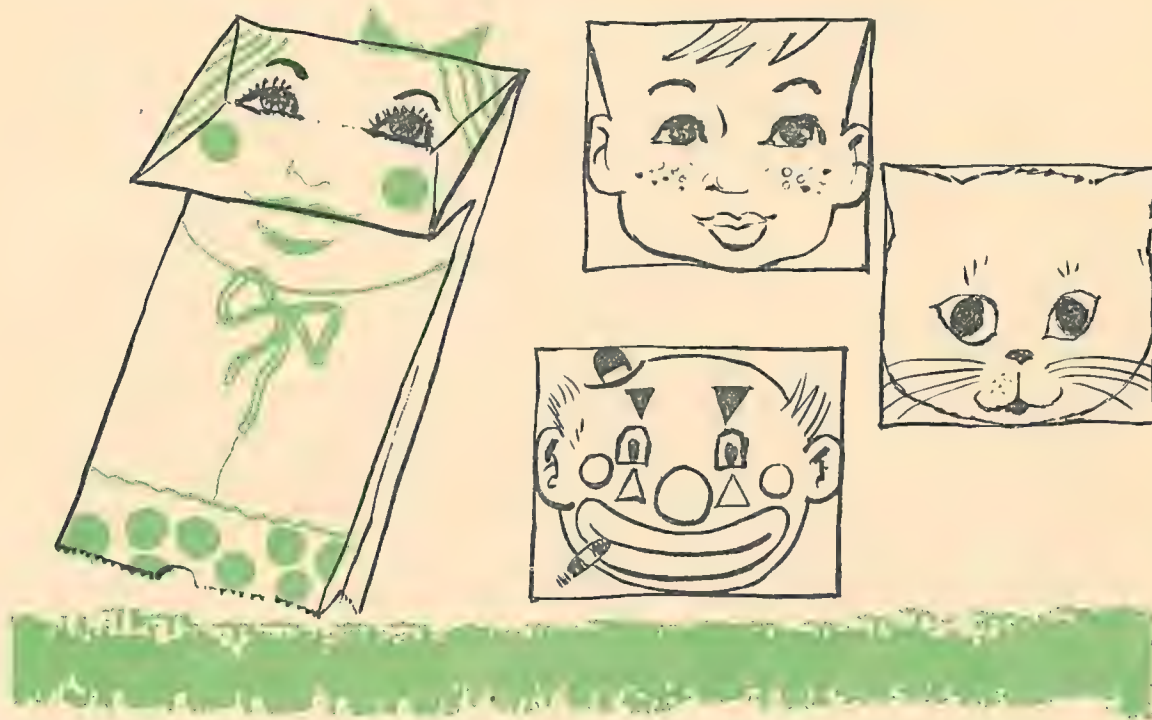


Now that you have it folded, you can start your puppet playmate. Your working tools are a pencil and some crayons or paint. What kind of friend would you like? Here's a red-headed girl. Draw her face on the bag like this:



Color her mouth, eyes and hair. Open up the bag and finish the face. Add a bow in her hair or on her dress, if you like. Or try other faces—a boy, a cat, or a clown.

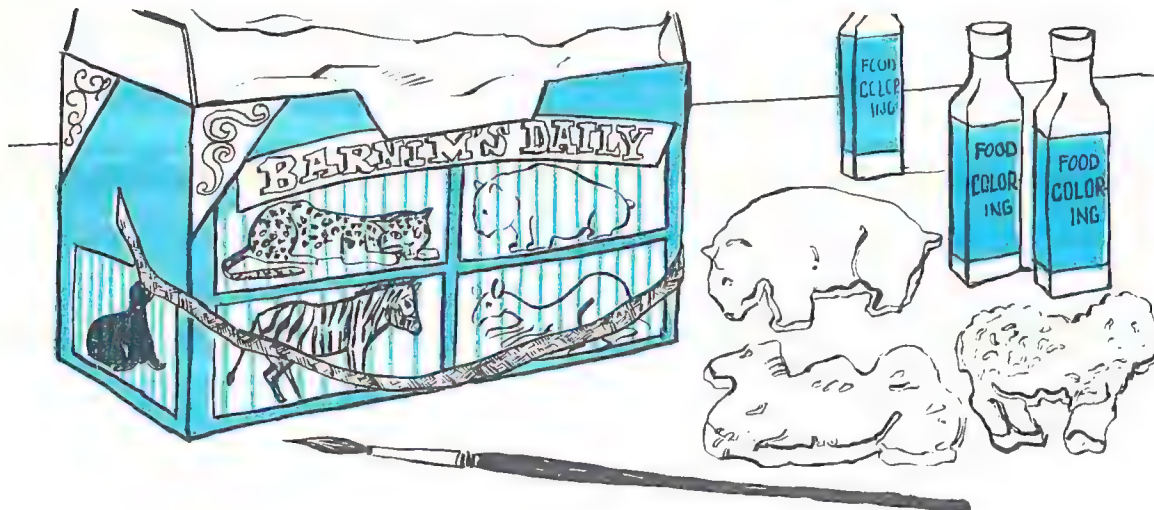
To make the puppet talk, just put your hand into the bag and move your fingers up and down in the fold of the mouth.



CRACKER ZOO

THE NEXT time you have a box of animal crackers, try this zoo fun before you eat them all up.

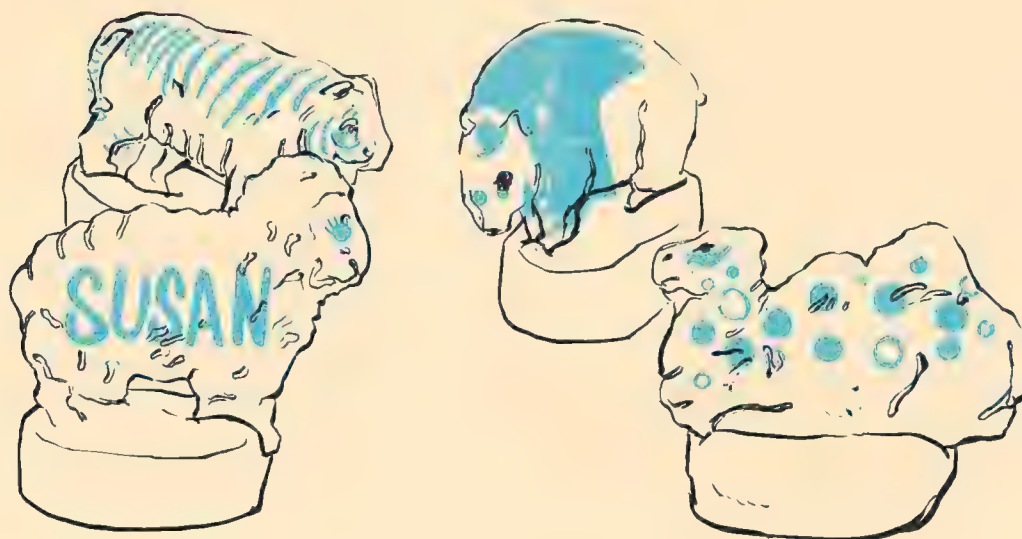
Pick out some of your favorite animals from the box. Ask your mother for some of her food coloring. Take one of your paint brushes, but make sure that it is very clean.



Spread your animals on a large piece of wax paper on the kitchen table. Take off the tops of the food-coloring bottles and put a few drops of coloring in each. Now, with your brush, give each animal eyes and a mouth. Paint some stripes on the tiger, spots for the leopard, and a funny suit on the monkey. If you like, paint your friends' names on them and you have perfect place cards for a party.



Marshmallow or gumdrops make good bases for the animals. Just put the feet in firmly and they will stand up.



WIND WHEEL

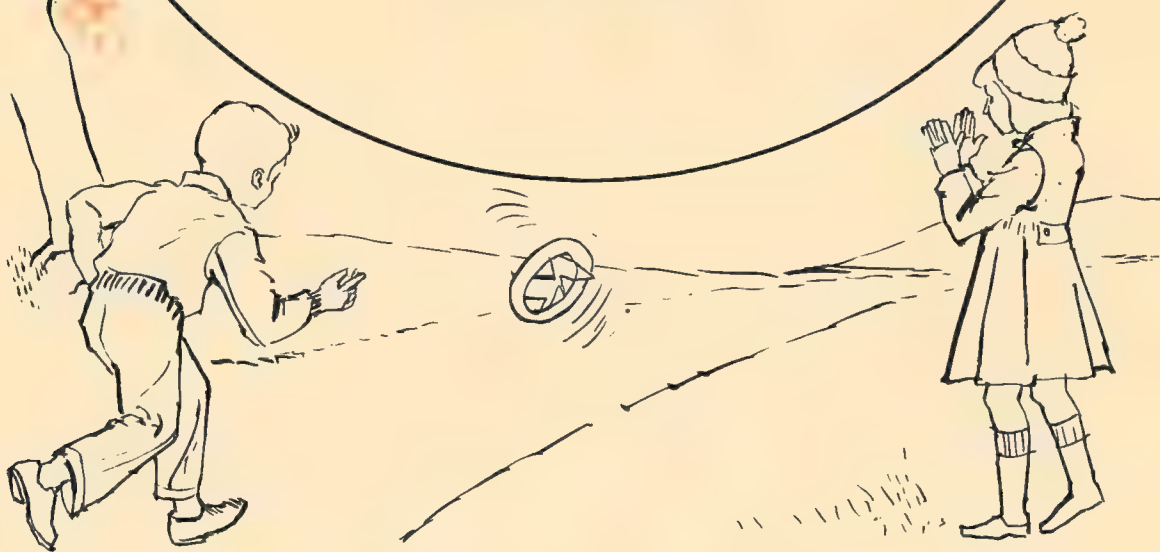
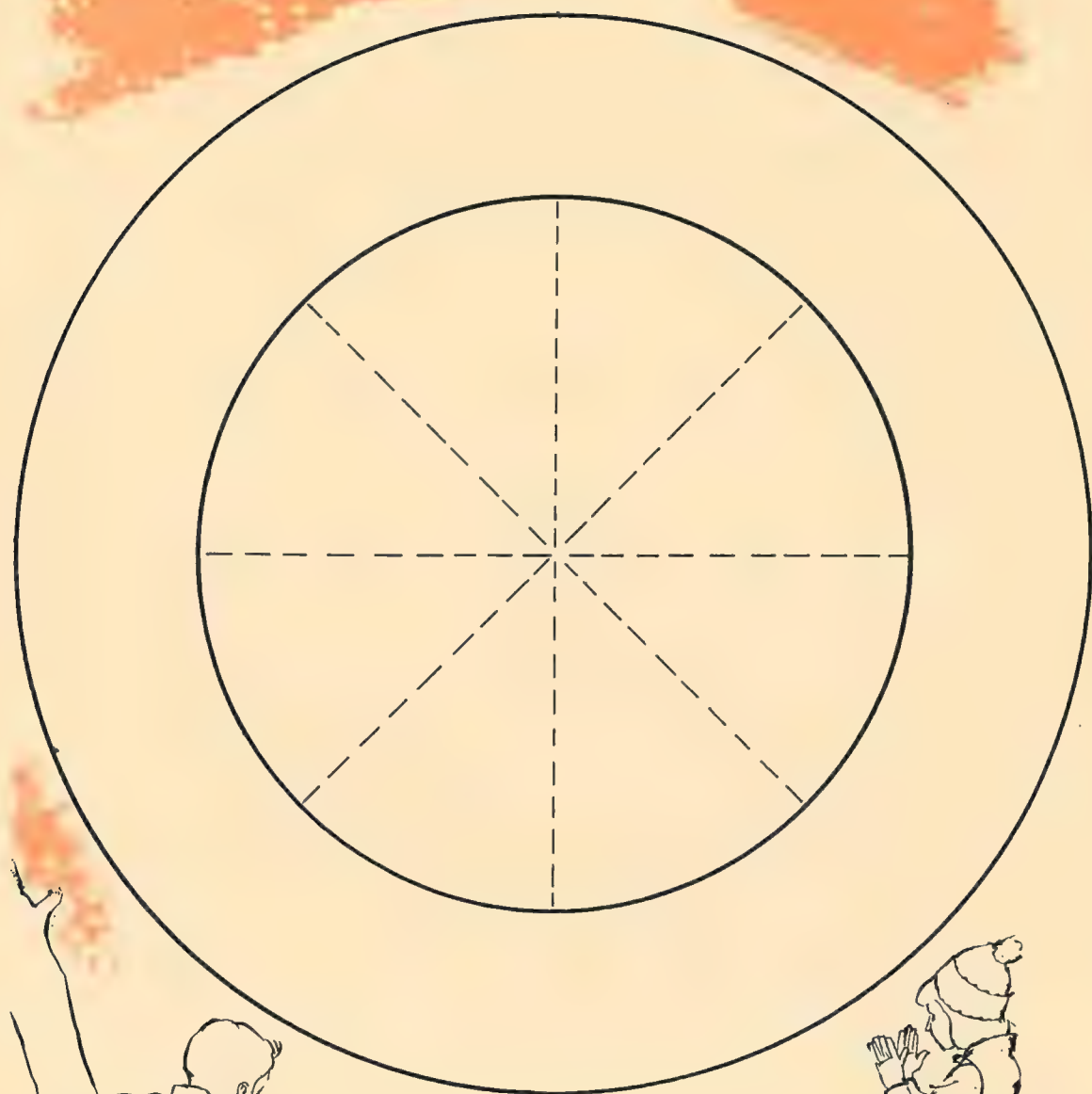
ROUND AND round it goes. The fun you will have as the wind catches this wheel and spins it round and round! Trace the wheel shown here, cut it out, and paste the tracing on a piece of thin cardboard. Cut the cardboard to match the wheel exactly.

Now cut along the dotted lines into eight sections. Bend one section at a time—the first one toward the inside, the next toward the outside, and so on.

If you like, color the edges on both sides with your own designs.

On the next breezy day take the wind wheel outside, throw it up in the air, and watch it spin.





INDOOR PLANTER

THIS PRETTY planter would make a nice gift for your mother or a special friend. To make it, you need a milk carton, some colored paper, and a little sticky tape.

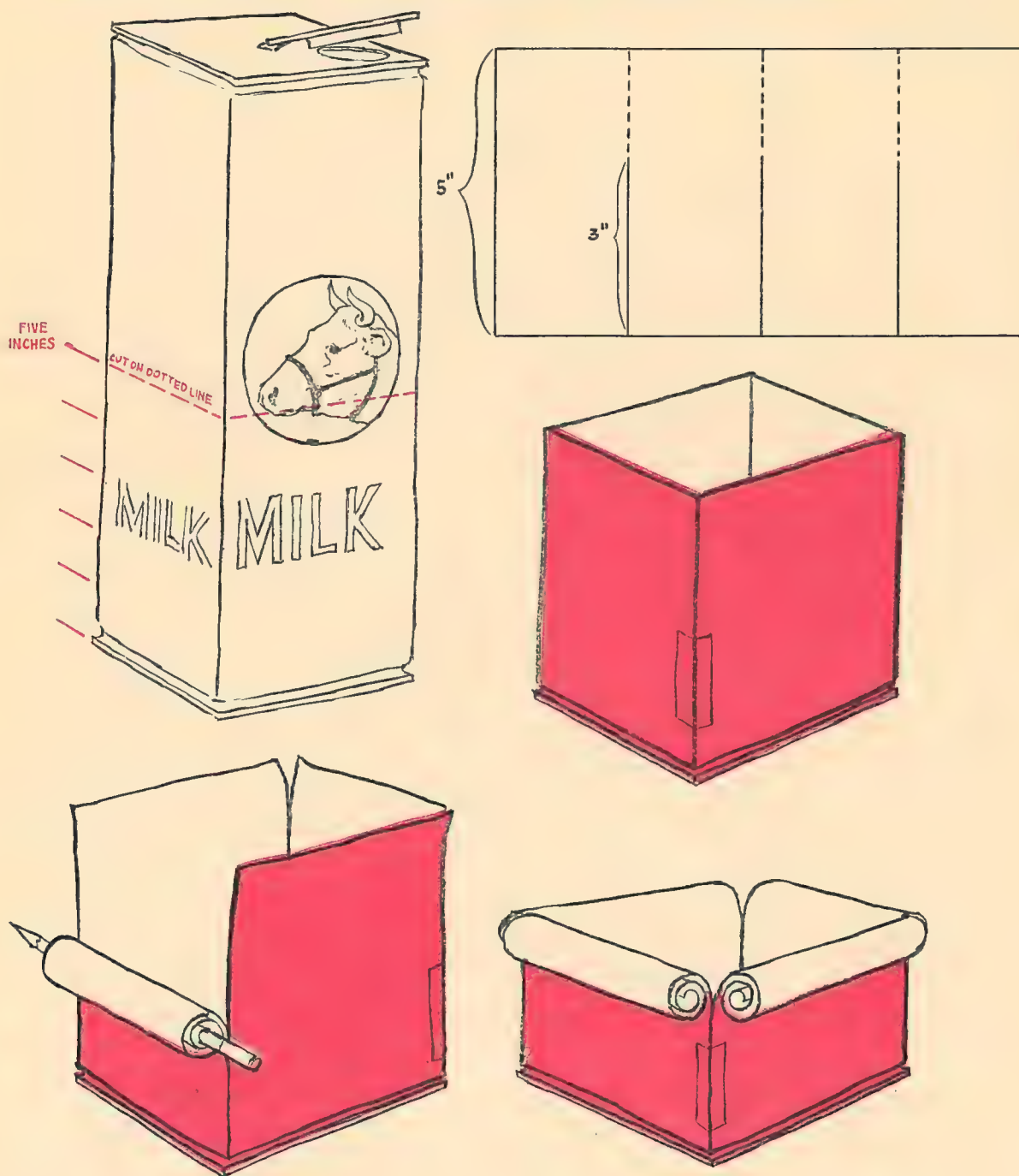
Measure five inches up from the bottom of the carton. Cut the top half off.



Now look at the pattern on the next page. It will show you how to make the cover. Each rectangle should be as wide as one side of your milk carton, so be sure that your colored paper is big enough. The dotted lines start three inches from the bottom. After you have made your pattern, cut it out and cut down along the dotted lines. The solid lines are the fold lines. If you fold carefully along the solid lines, the paper will fold into a rectangular shape. Place the paper around the bottom of the milk carton. A few pieces of sticky tape

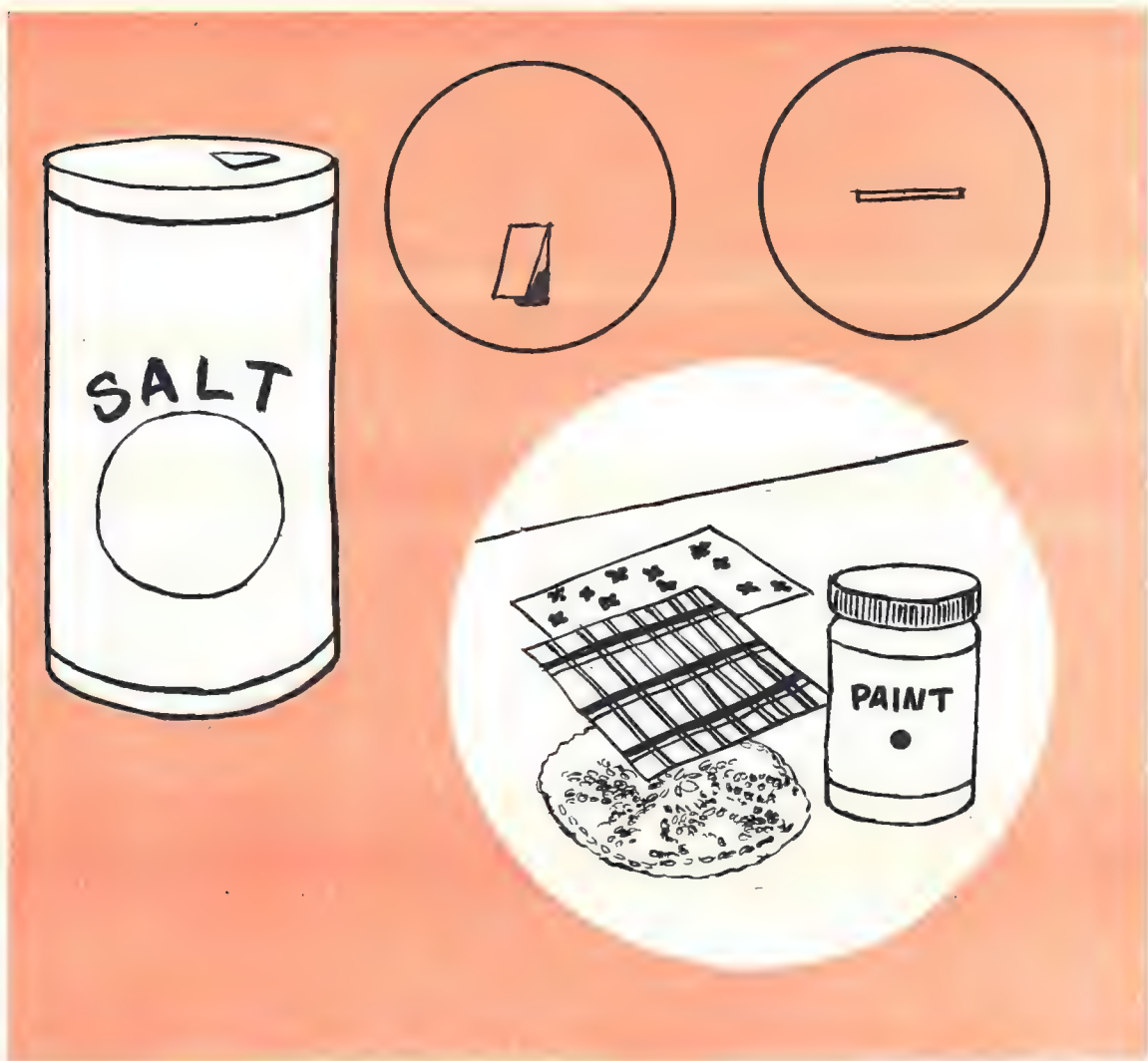
where the edges meet will keep the square in place around the carton. A light coat of paper paste will hold the cover in place even more firmly.

Cut down the corners of the milk carton to match where you have cut the colored paper. Then take a pencil and roll the four sides around it to make the curl around the edge of the planter.



PENNY BANK

AN EMPTY salt box or round oatmeal box makes a very fine penny bank. The metal pouring spout on the salt box can be used as the slot for your pennies. If there is no spout, cut a slit big enough to let your pennies drop in.



But this bank needs a little decoration. There are many ways to dress up your penny bank. First cover the top with colored paper or paint. Don't forget to cut a hole where the slot is.



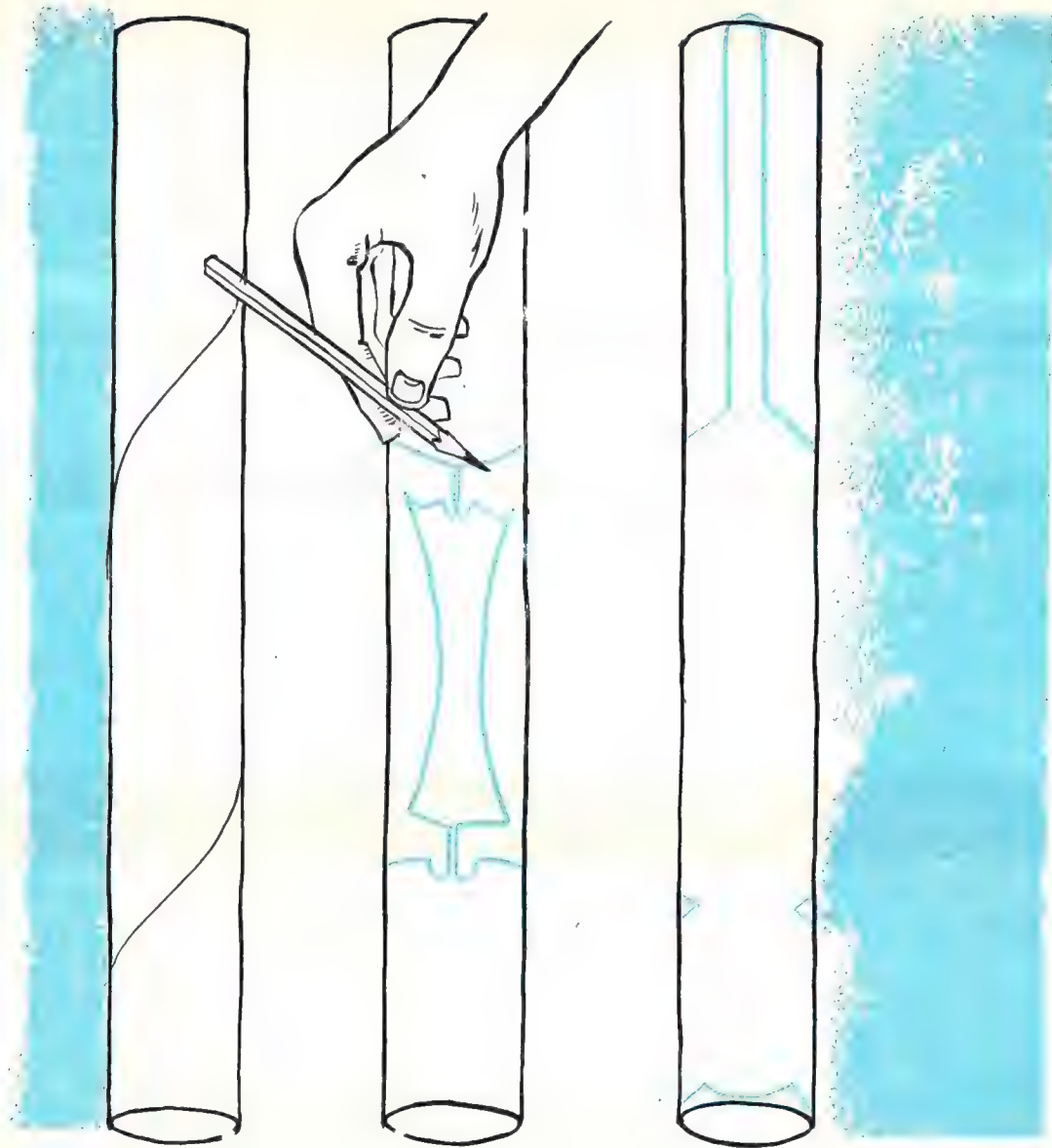
Now wrap some plain paper around the sides of the box. You can paint a picture of a fat pig, or pretty flowers, or a rainbow. You might want to paste on some colored paper or printed material to make a collage. Don't open the bank until Christmas!



FAT CAT

YOU CAN make a well-fed kitty from the cardboard tubing left over from a roll of paper toweling or aluminum foil.

The pictures show you how to divide the tube into the head, body and tail. Draw each part carefully, then turn the tube over and put the legs in underneath, as in the middle picture.



Cut the cat out carefully. Paint the cardboard whatever color you would like him to be. On the curved-in side of the head, add a face with plenty of whiskers. Perhaps he should be wearing a bell, or a bow. Spread the legs apart gently, push up the head, and your cat is finished.



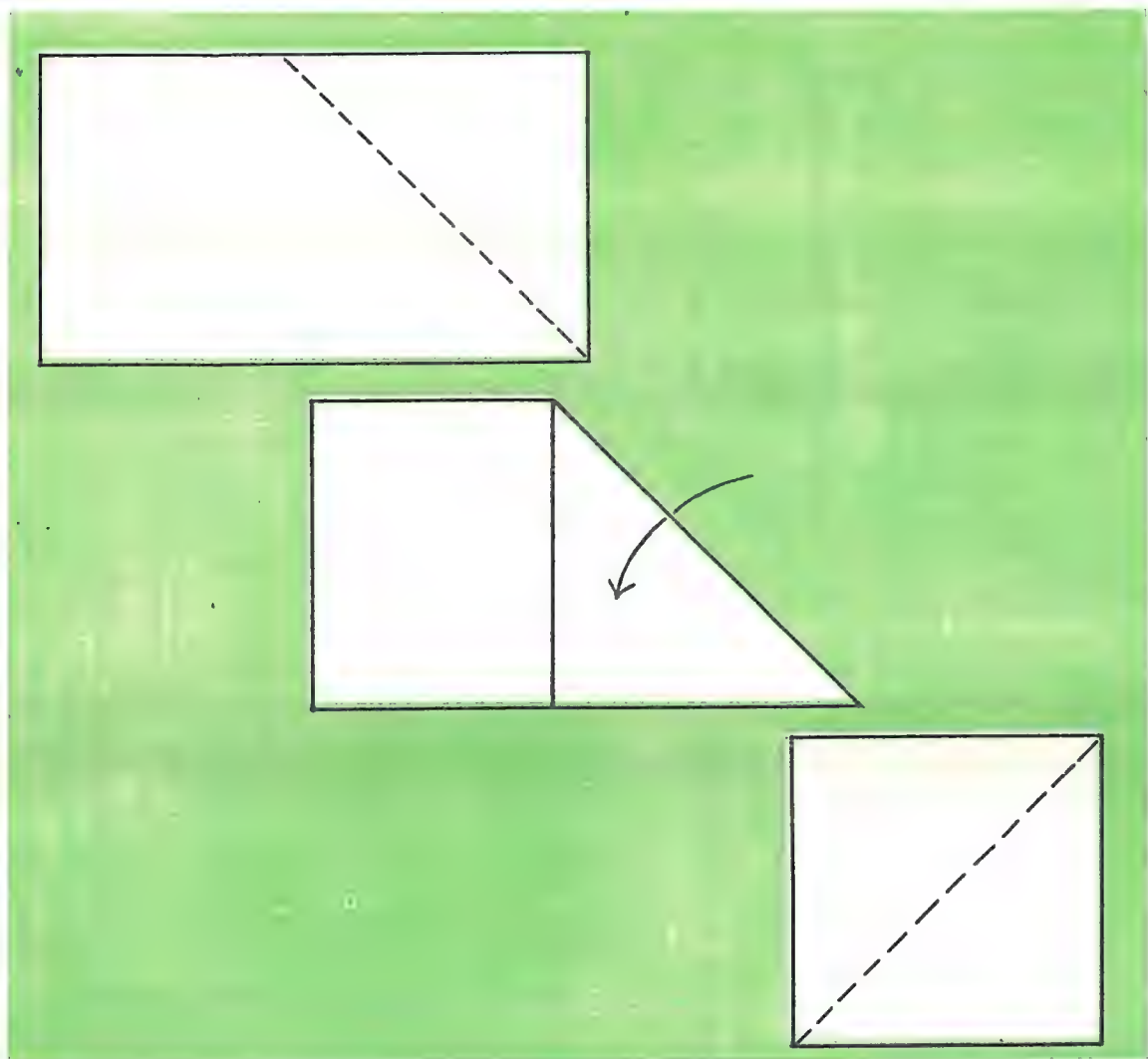
You can make other animals the same way. A few are shown here. Why not try your own?



A PINWHEEL

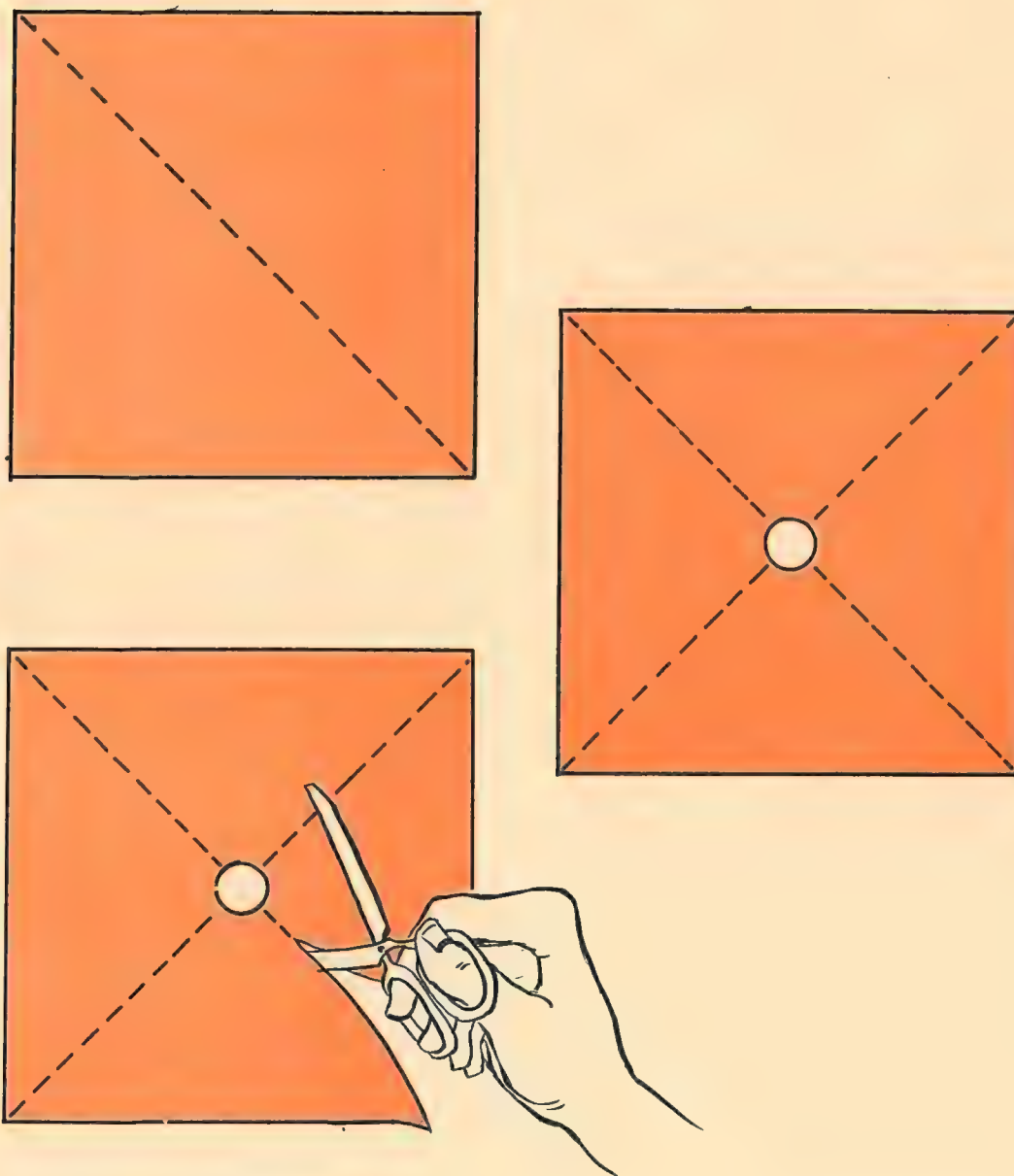
TAKE A deep breath and blow. Round and round this pinwheel will spin.

The paper used to make this pinwheel must be square. There is a very easy way to make a rectangular sheet of paper into a square. Fold over the top corner of the paper until it meets the bottom edge. Cut off the part that was not folded. What you have left will be a perfect square.



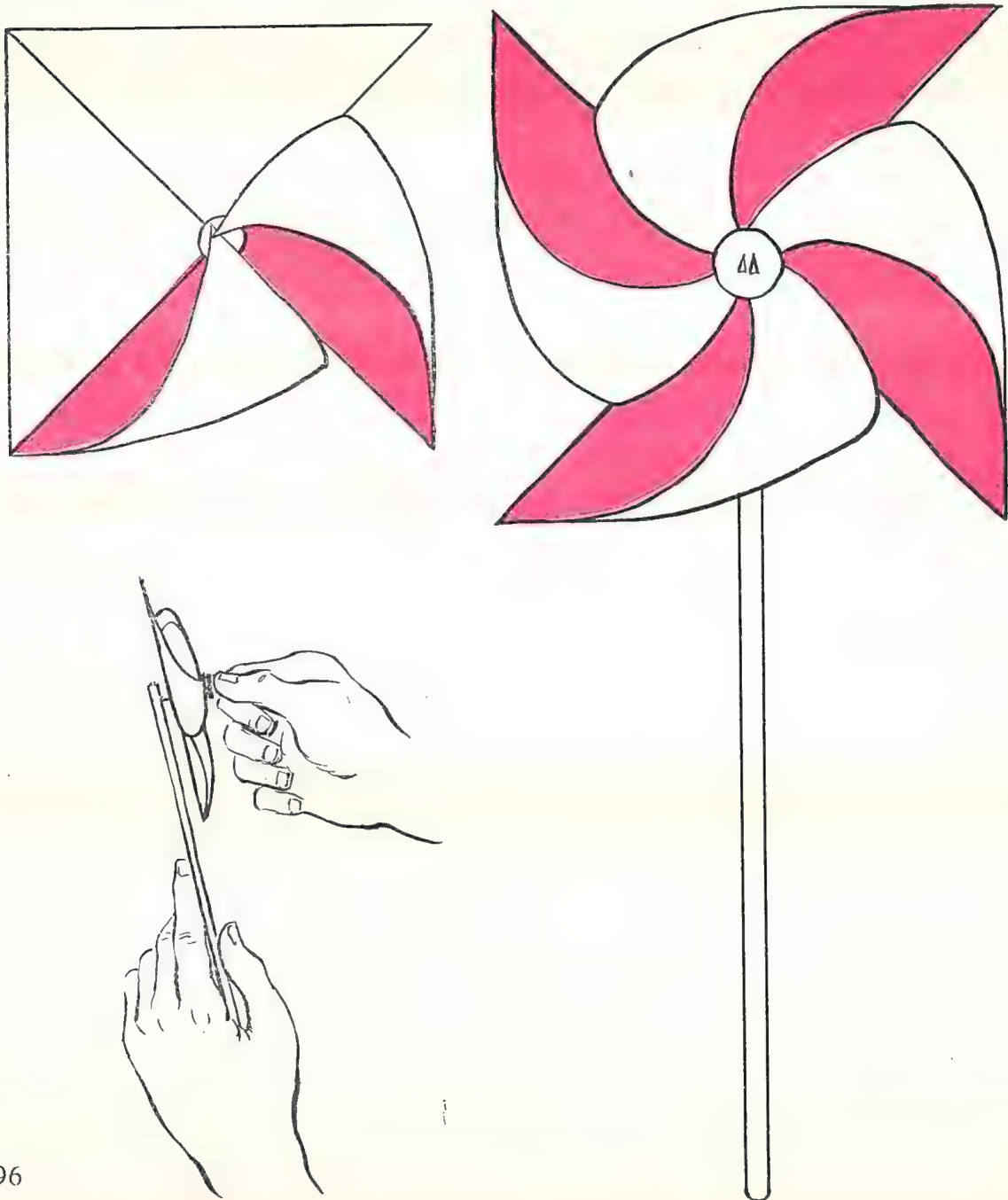
The fold you made to square your paper will also help you make your pinwheel. Make another fold just like the first one, only this time between the two opposite corners.

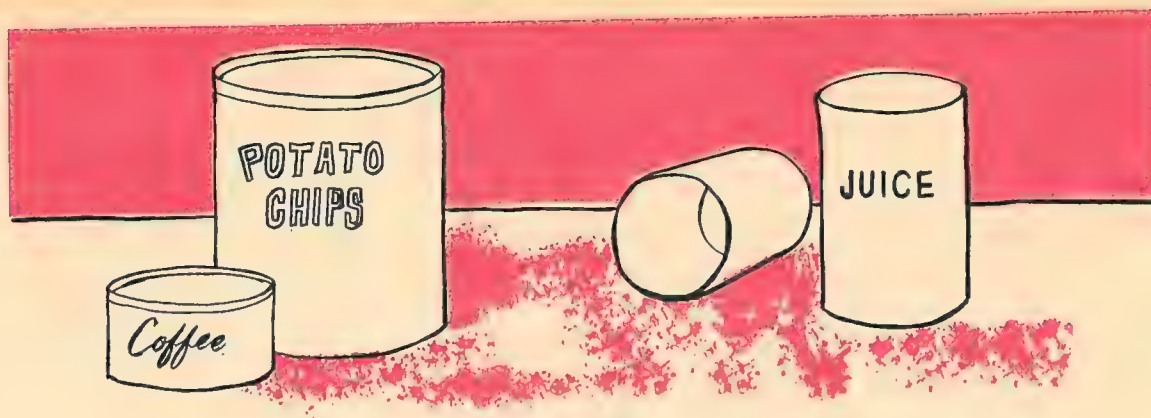
Where the two lines cross make a circle about the size of a dime.



Now cut along the fold lines toward the middle of the paper, stopping at the edge of the circle you just made. You will now have eight points around the edge of the square. Fold every other one toward the center and push a long thumbtack through to hold the points in place. With the same thumbtack you can attach the pinwheel to a stick.

Now take that deep breath and blow.



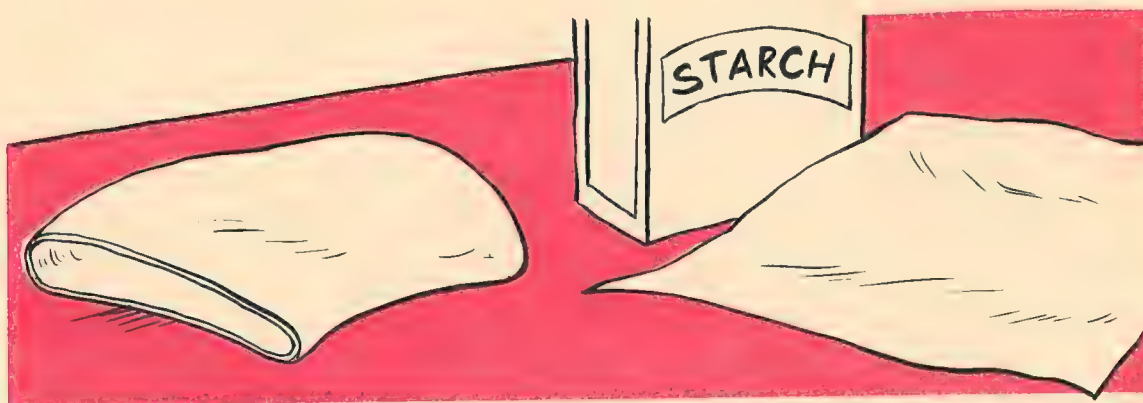


LISTEN TO THE TOM-TOM

NO INDIAN village is complete without a tom-tom, and here is how you can make your own.

Start with a large can, like a coffee can or potato chip can, with the top removed. A large juice can will also work, but be sure there are no rough edges once you remove the top.

The best kind of drumhead is an old piece of inner tubing from a tire. Also good is a piece of chamois or a piece of material that has been soaked in starch to stiffen it.





Cut the rubber tubing or the material in a circular shape large enough to cover the top of the can with about three inches left over on all sides.

The simplest way to hold the drumhead in place is with a strong rubberband. Place the material in place over the can and wind the rubberband around the can about an inch down from the top. Pull the material tight.

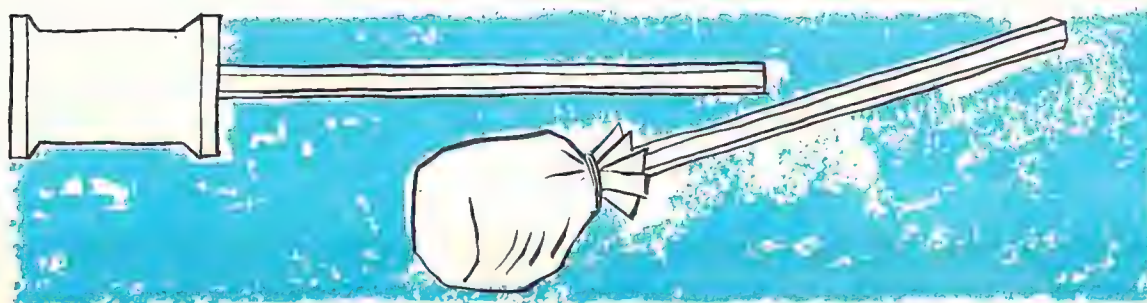
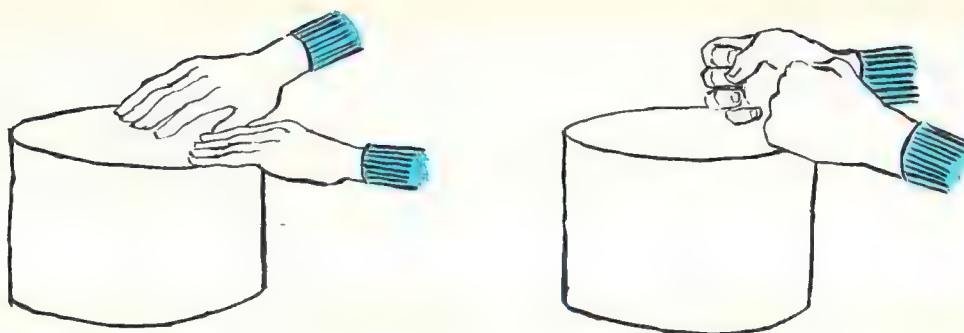
If you can find some soft wire to twist around the overlapping edges, you will be able to keep the drumhead even tighter. Twist the wire around the drumhead about an inch down from the top of the can

until the wire is tight. Then pull down on the edges of the drumhead.
Give the wire an extra twist to hold it even firmer.



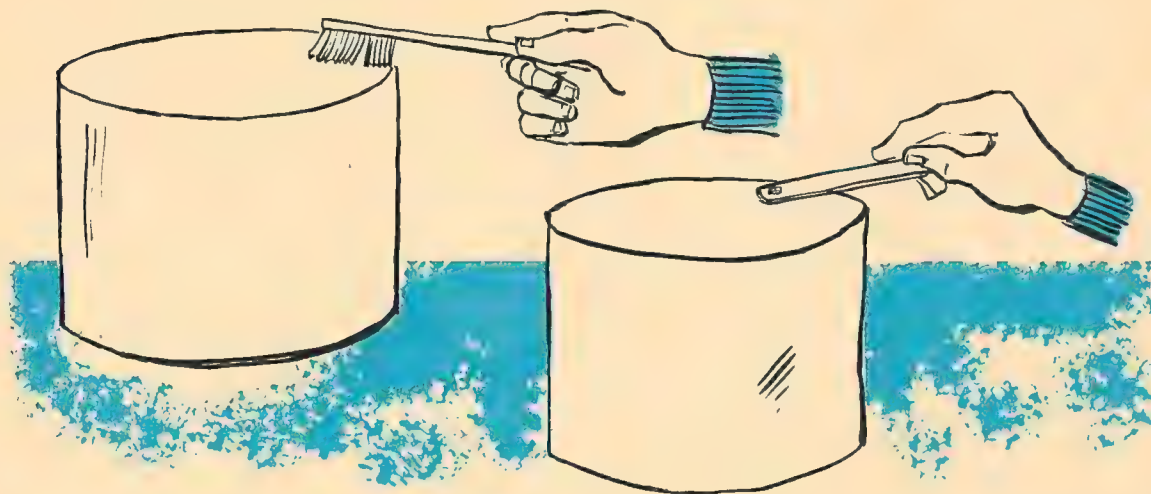
DRUMSTICKS

THE EASIEST way to play a drum is with your fingers and fists. Try tapping with one or two fingers at a time, and then with your whole hand. Hit the drum in different places. Not too hard—just hard enough to hear the different sounds you can make.

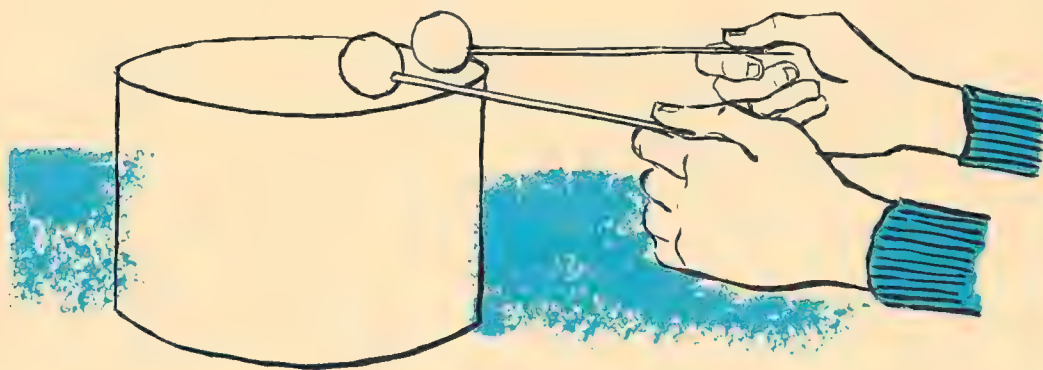


A simple drumstick can be made by pushing a pencil through the opening of an empty thread spool. Wrap several layers of soft material around the spool and tie the ends tightly to the pencil to complete the job.

An old toothbrush can also be fun. Rub the bristles over a drumhead and listen to the sound they make. Use the handle of the brush to beat the top and sides of the drum and you will hear still other sounds.

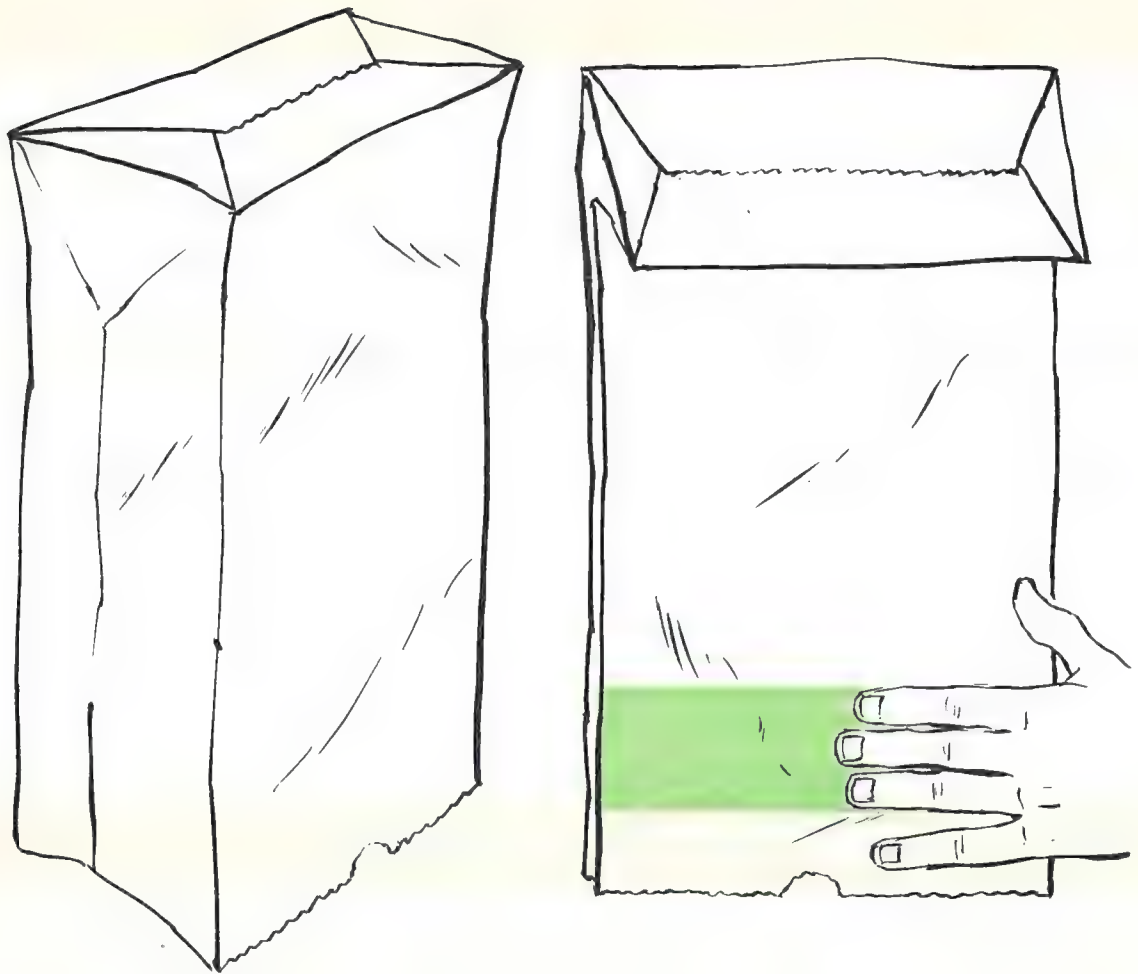


One of the best types of drumsticks can be made from a small rubber ball and a pencil or dowel. Poke a sharp instrument, like an ice pick, about an inch deep into the rubber ball. It is a good idea to ask your father to do that for you. Make sure that the hole is narrower than the pencil or dowel. Then put some strong glue on the end of the pencil and twist it into the hole. When the glue dries you will have a very good drumstick.



INDIAN HEADDRESS

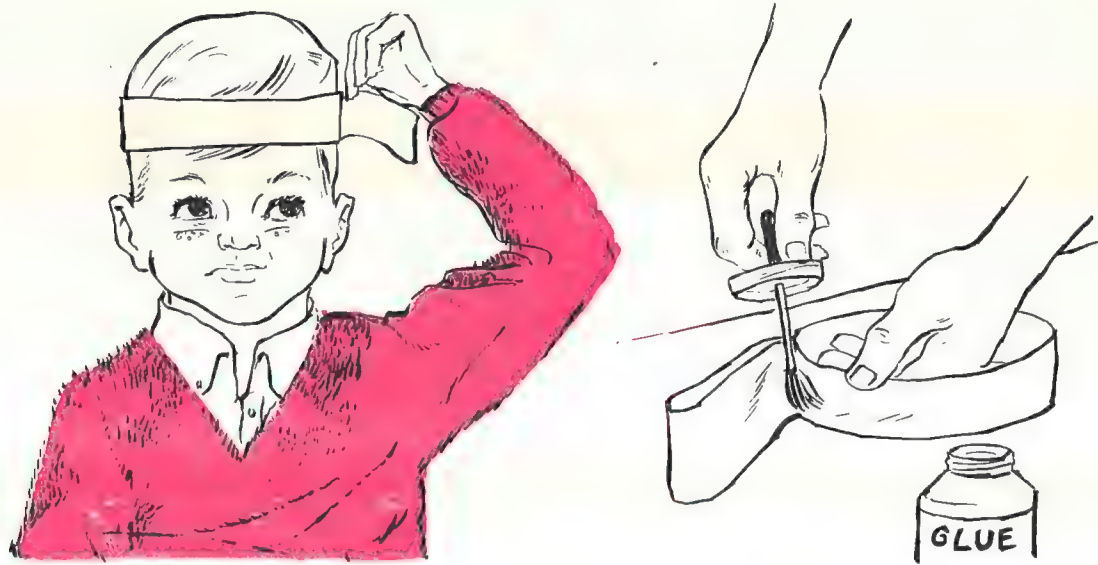
YOU CAN be a real Indian chief with this simple headdress. Cut the band that fits on your head from the top of a paper bag. The band should be about three fingers wide.



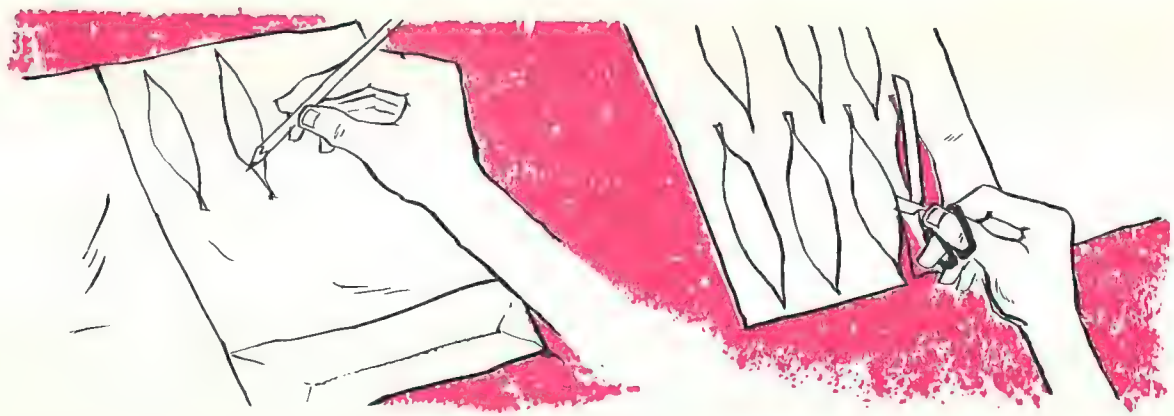
Real Indians like to use many colors and designs. Here are some ideas for your headband. Can you think of any you would like better?

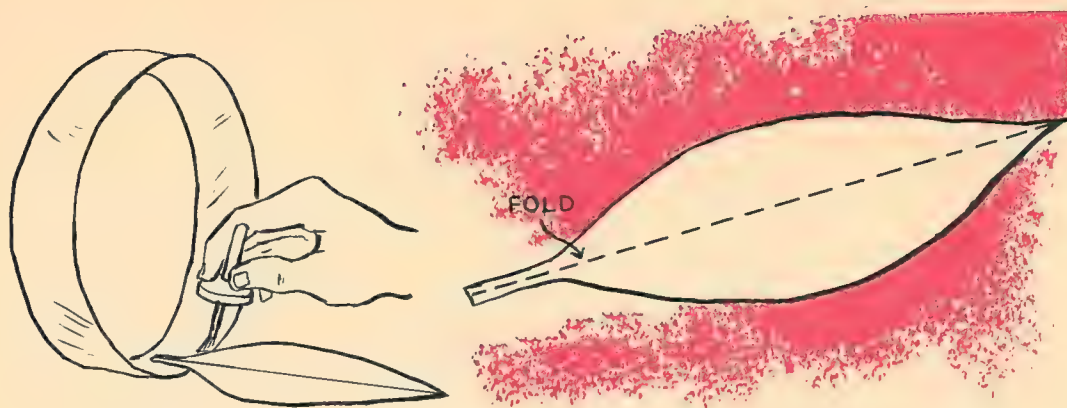


Try the band on your head. Does it slip over your nose? Hold it on your head where you want to wear it. Pinch the extra paper in your fingers. Carefully slip it off and paste or staple down the extra piece to make it fit.



To make the feathers, draw one on thin cardboard or stiff construction paper and cut it out. Trace around it and make as many more as you need on the cardboard. Now cut them all out and color





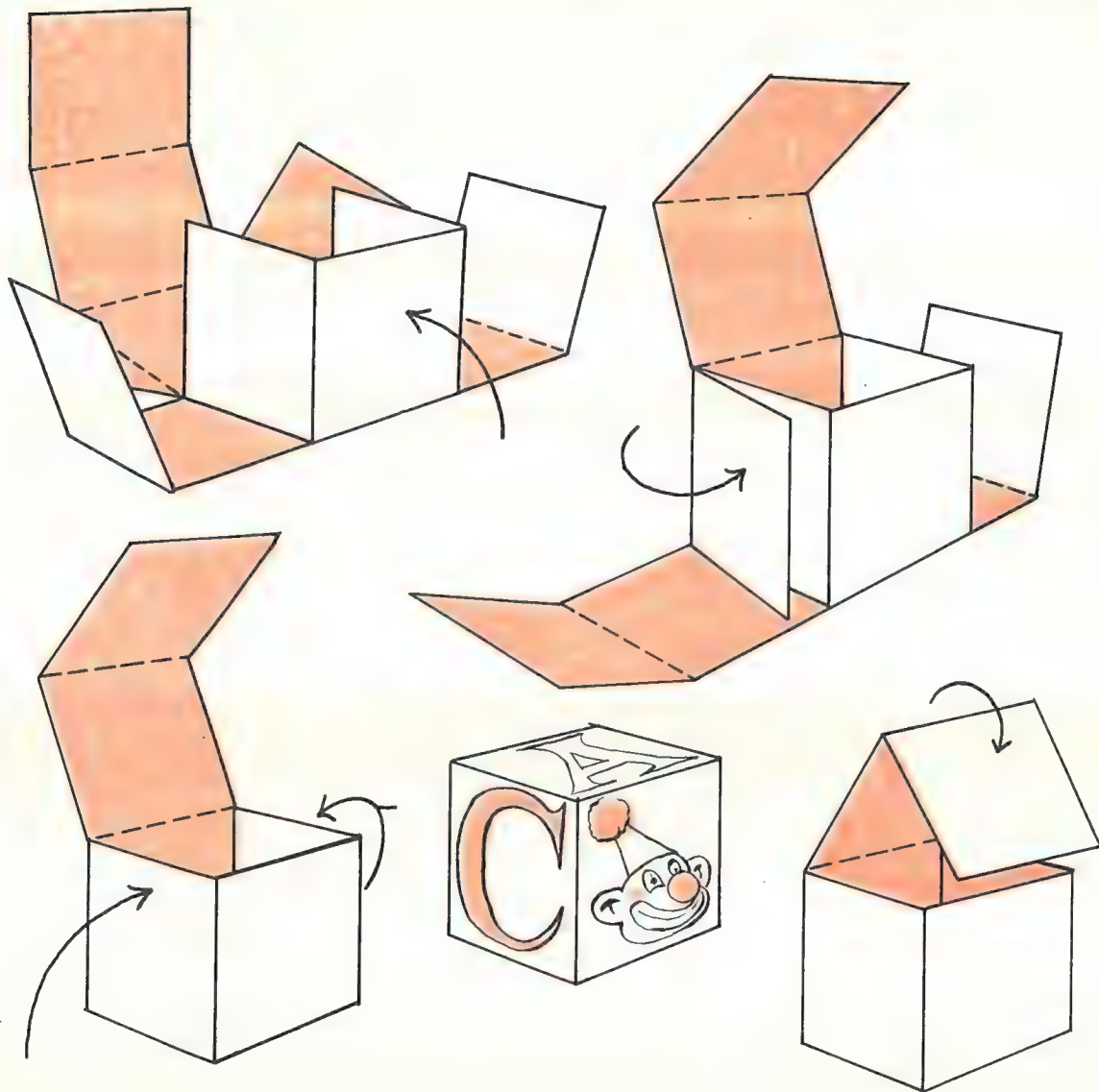
them. Staple or paste them to the inside of the band. A fold down the center of each feather will help them stand straighter.



PAPER BLOCK

WITH A little extra work a few of these paper blocks can be wonderful gifts for your little sister or brother. They can be decorated with bright pictures cut from a magazine or gay-colored alphabet drawings.

On stiff construction paper or cardboard, mark out two-inch squares in a pattern like the one shown on the next page. The bottom row has three squares, the next one five, and the next three. At the top, two more squares go straight up. The paper or cardboard

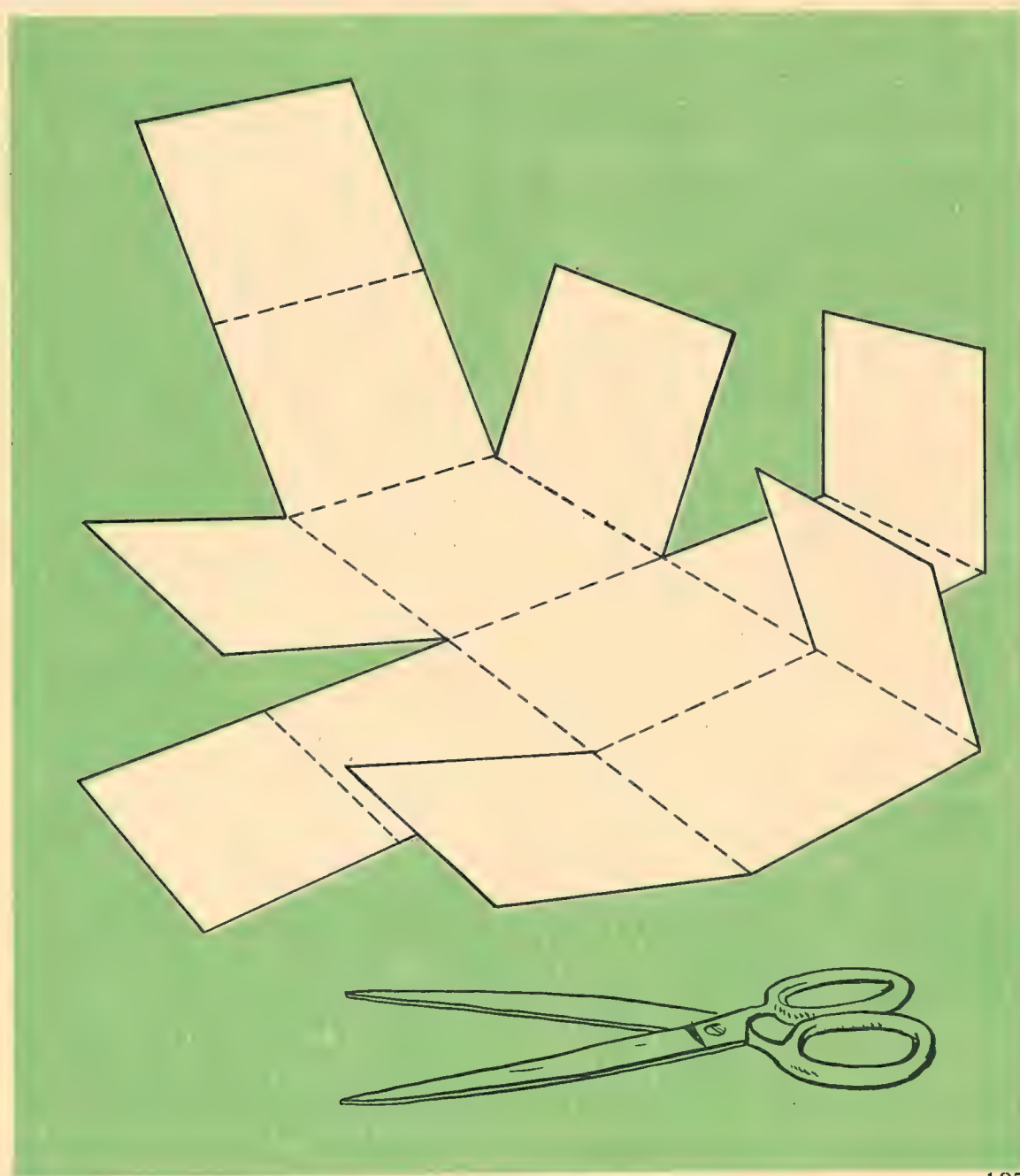


must be at least ten inches wide and ten inches long.

The big drawing shows you how to cut. The dotted lines are fold lines. If you use cardboard, the dotted lines have to be scored with a knife to make the folding easier.

Now carefully follow the folding steps shown here to make the paper block.

If you copy your first pattern on tracing paper, you can use it to make a set of blocks for the whole alphabet.

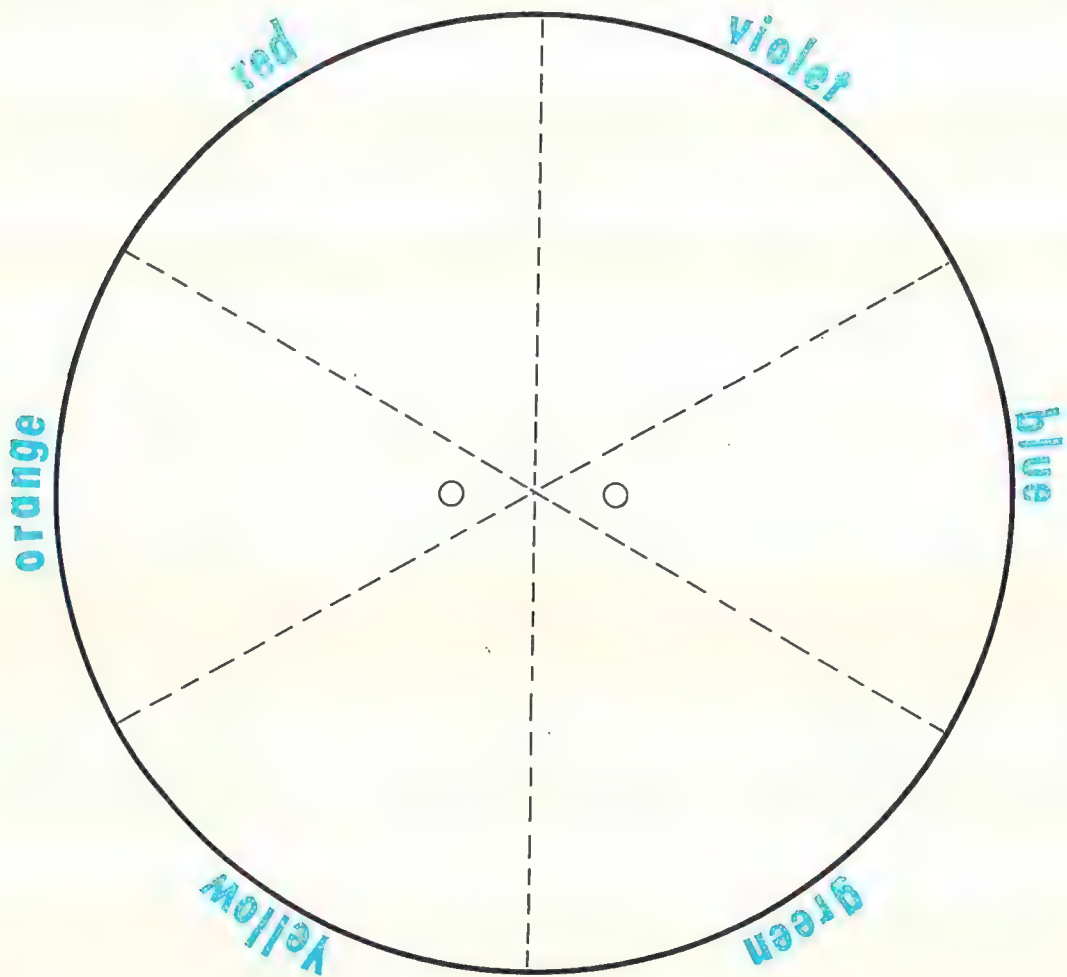


COLOR WHEEL

IF YOU mix all the basic colors together, what color will you have? Here is one way to find out.

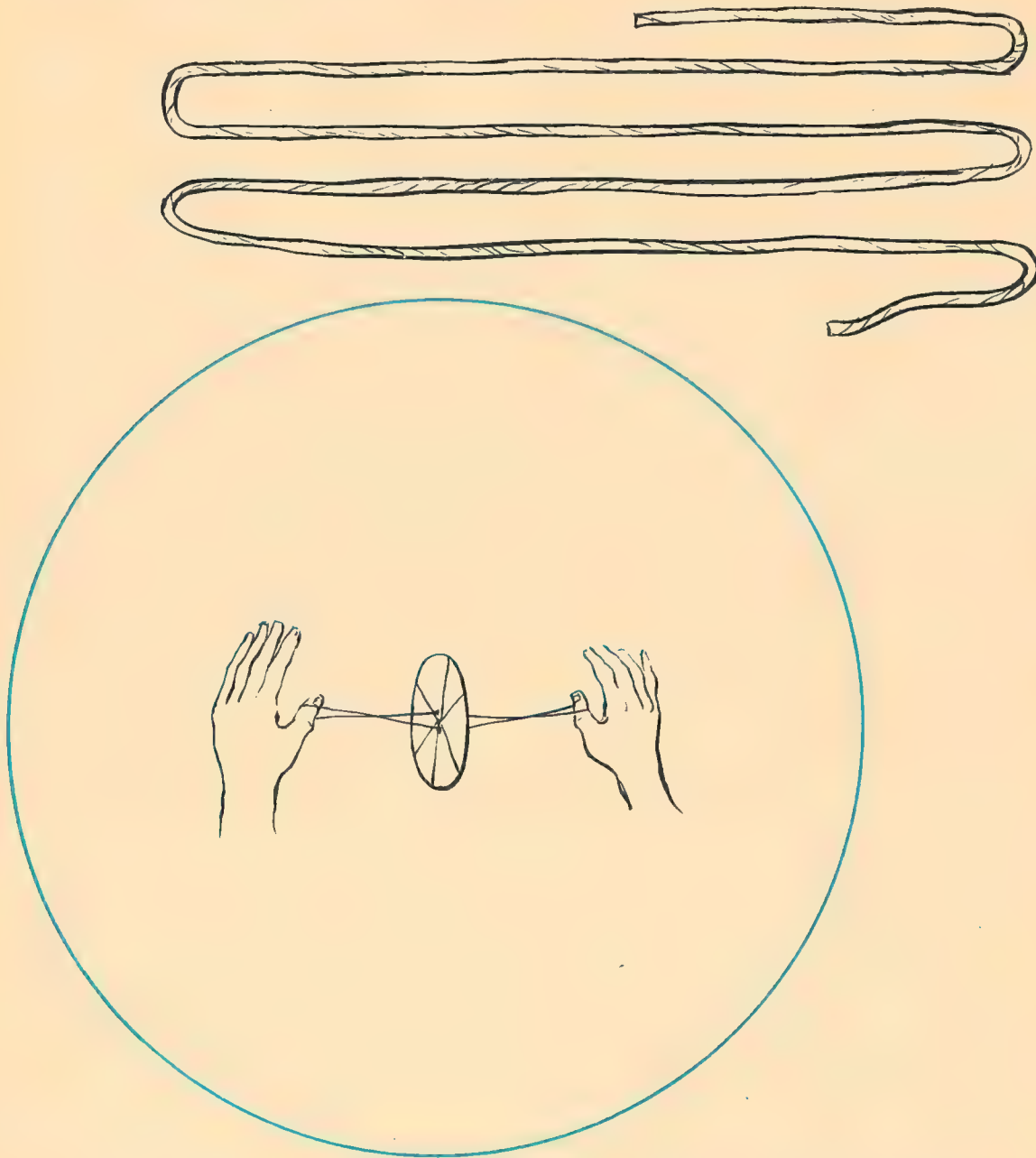
You can use the circle drawn here or, if you don't want to cut something out of this book, you can make another one just like it. Color the parts of the circle as shown—the section near the top red, and then, going clockwise, violet, blue, green, yellow, and orange.

Now cut out the circle and paste it carefully on a piece of cardboard. The cardboard should be trimmed to the same size as the circle.



Punch out two small holes in the center of the circle. Take a piece of string about twice the length of this paper and thread one end through the two holes. Tie the ends together.

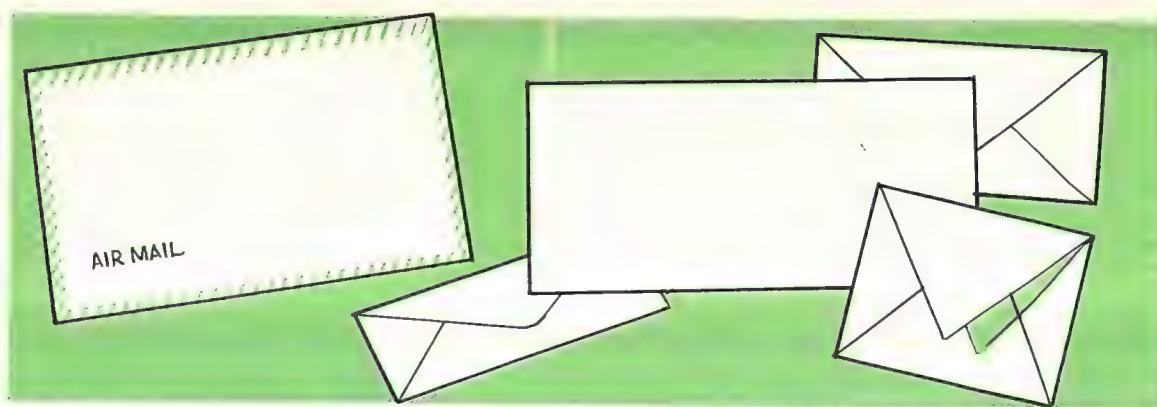
Move the circle to the center and twirl the string about a hundred times. Now if you pull the string from both ends, the circle will spin.



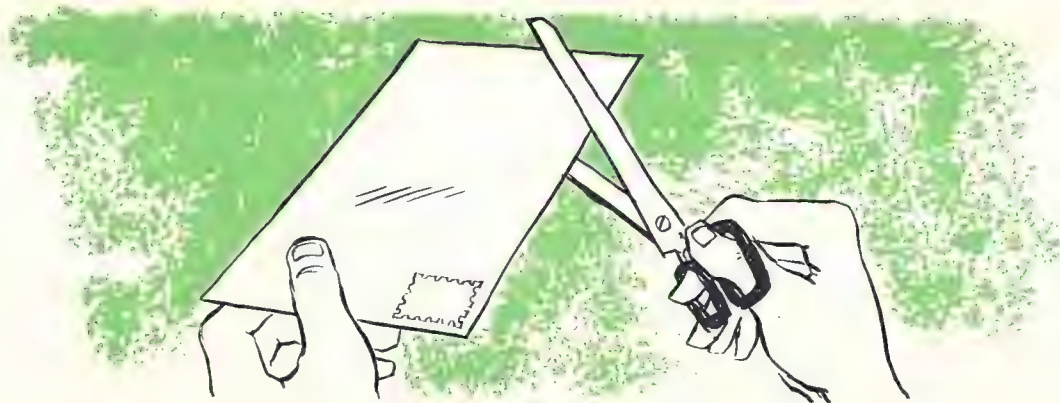
If your circle is spinning fast enough, the colors should blur into white!

BOOKMARK

BOOKMARKS can be nice presents for your friends. But it is also important to use them yourself. If you always remember to use a bookmark to mark your page, you can go back to right where you were reading without wasting time. Don't ever bend the corner of a page. A book is a good friend and should be treated kindly.

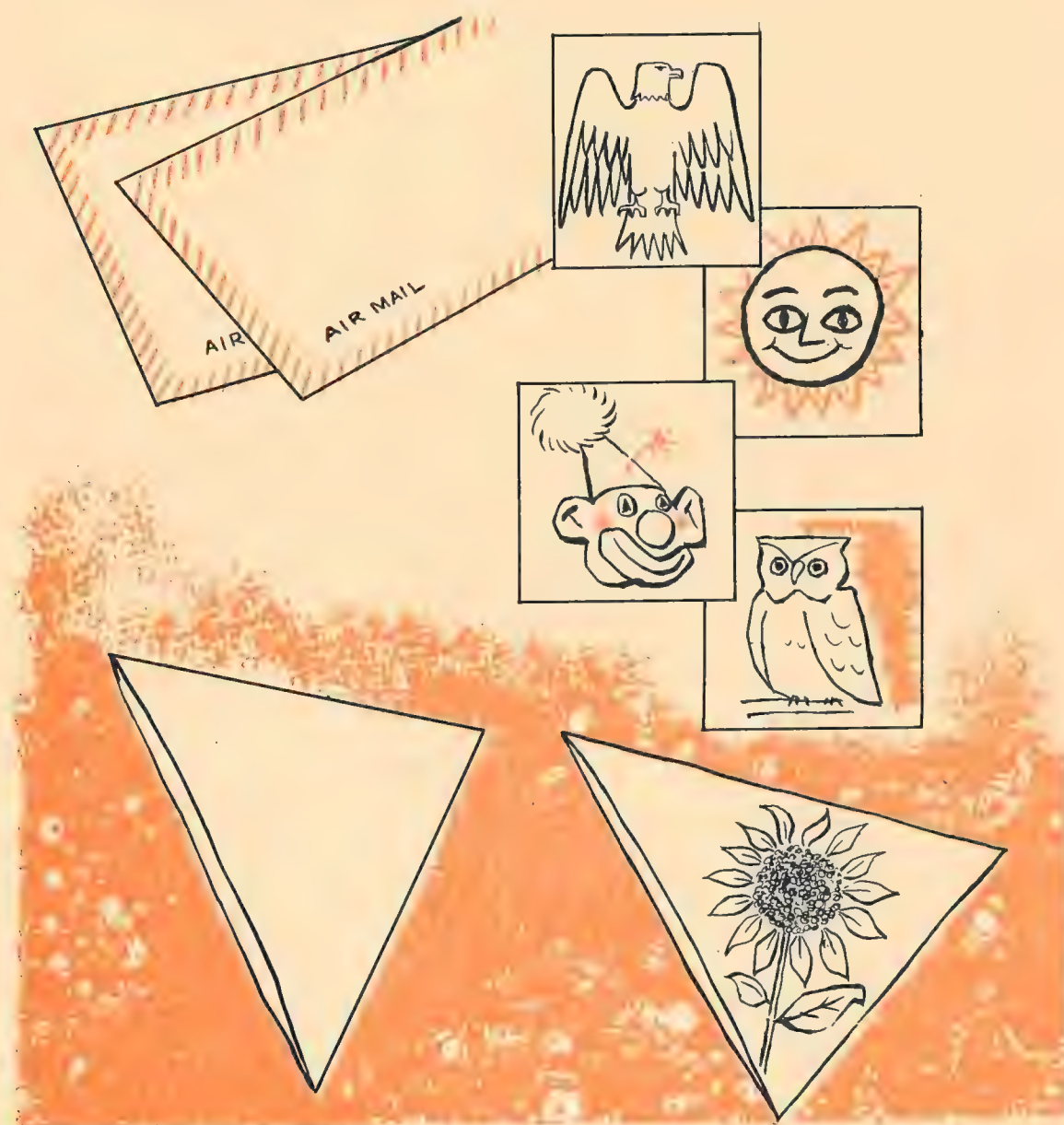


Ask your parents for the envelopes from the mail the mailman delivers. Did you ever think of all the different colors envelopes can be? Some are big and some small. If the left-hand corner has no return address, it will be perfect for your bookmark. Cut it off as shown here. You can also use one of the lower corners by slitting one more side after you cut it off.



An airmail envelope already has a border. But the other envelopes will need some decoration to dress them up. A flower, a bird, or a design in the center will do very well. Copy some of the drawings you see here, make your own, or use cutouts from magazines. When you have finished one, use the back flap to slip it on to the top of a book page.

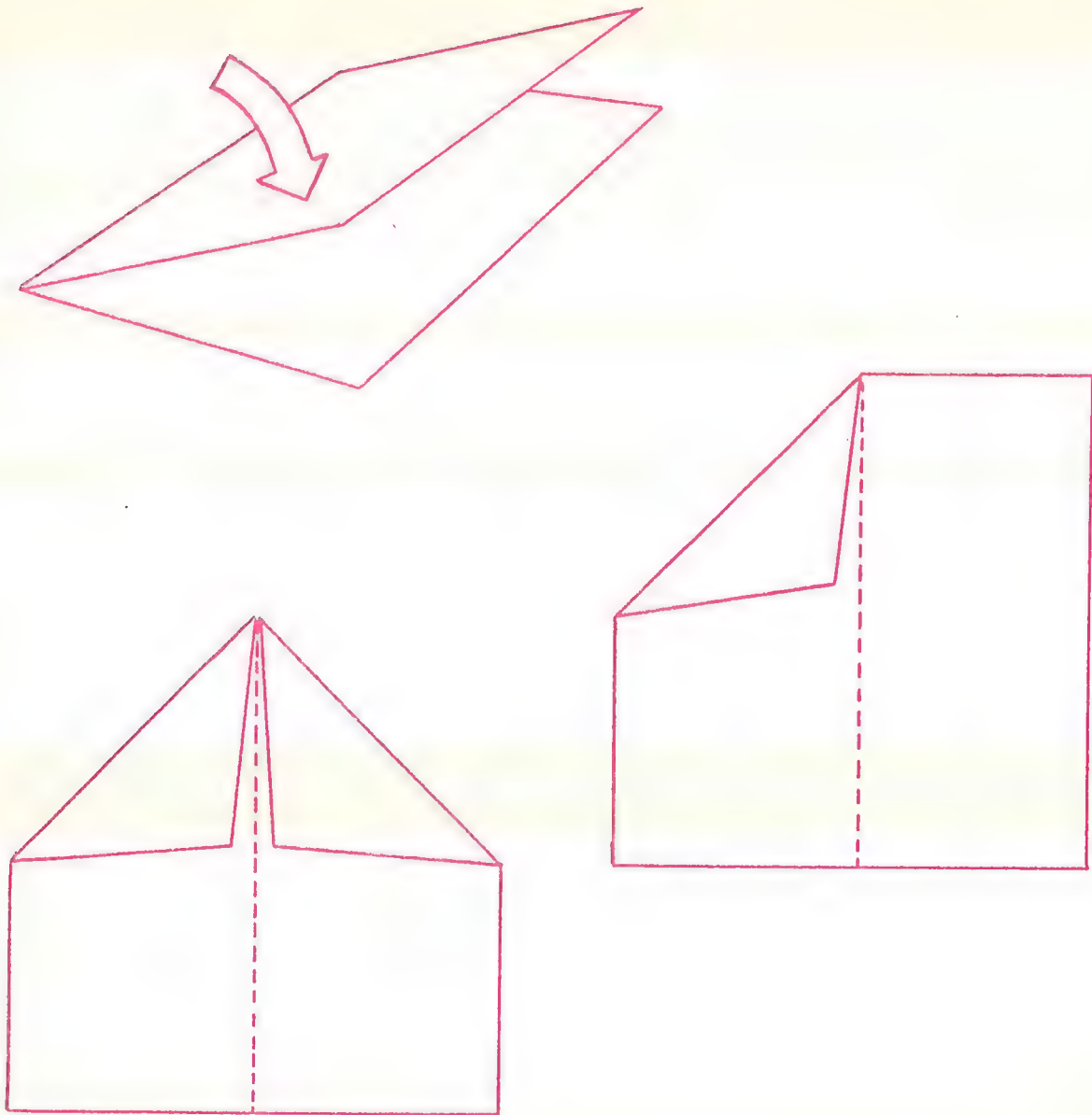
The next time you send someone a birthday card, it would be nice to also send them a bookmark you have made.



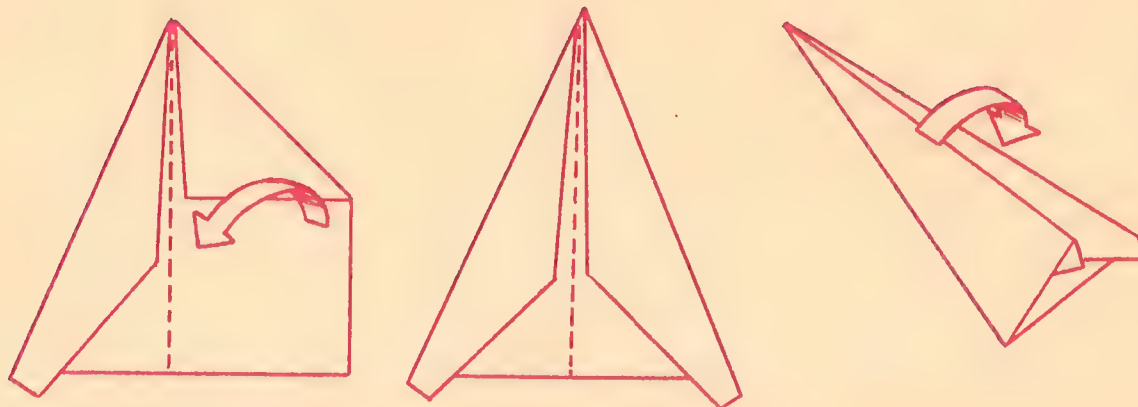
JETS AWAY

WITH A few pieces of paper you can have your own jet airplane force. These paper airplanes will zoom across the room.

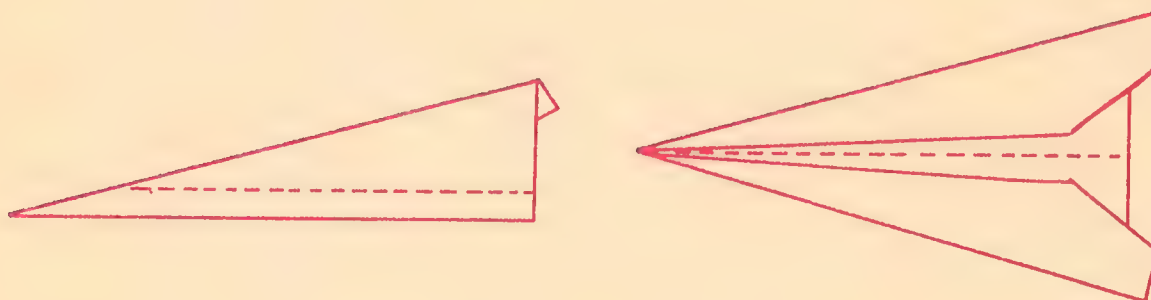
Start with a squared piece of paper. It can be anywhere from six to twelve inches long on a side. Follow these folding steps carefully. Fold the square in half. Now open it up and fold down the corners.



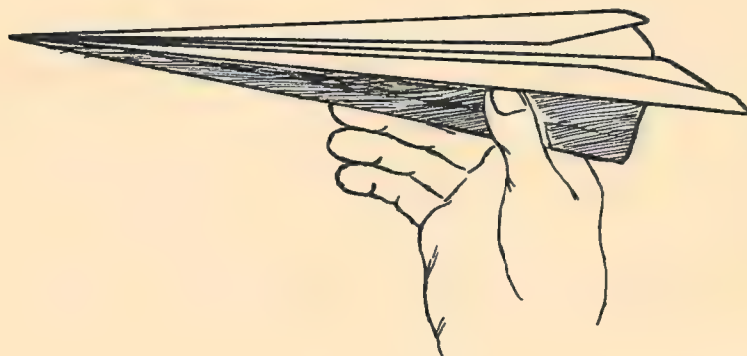
Fold the corners again as shown, and then the whole paper in half again.



Now place your paper as shown below and fold on the dotted line. Then turn the paper over and fold the wings back along the last fold line.



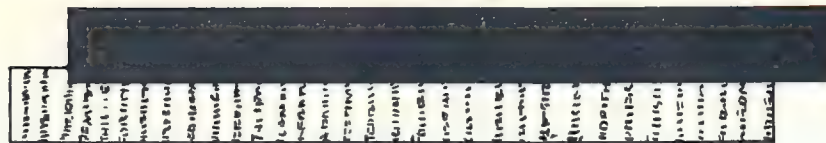
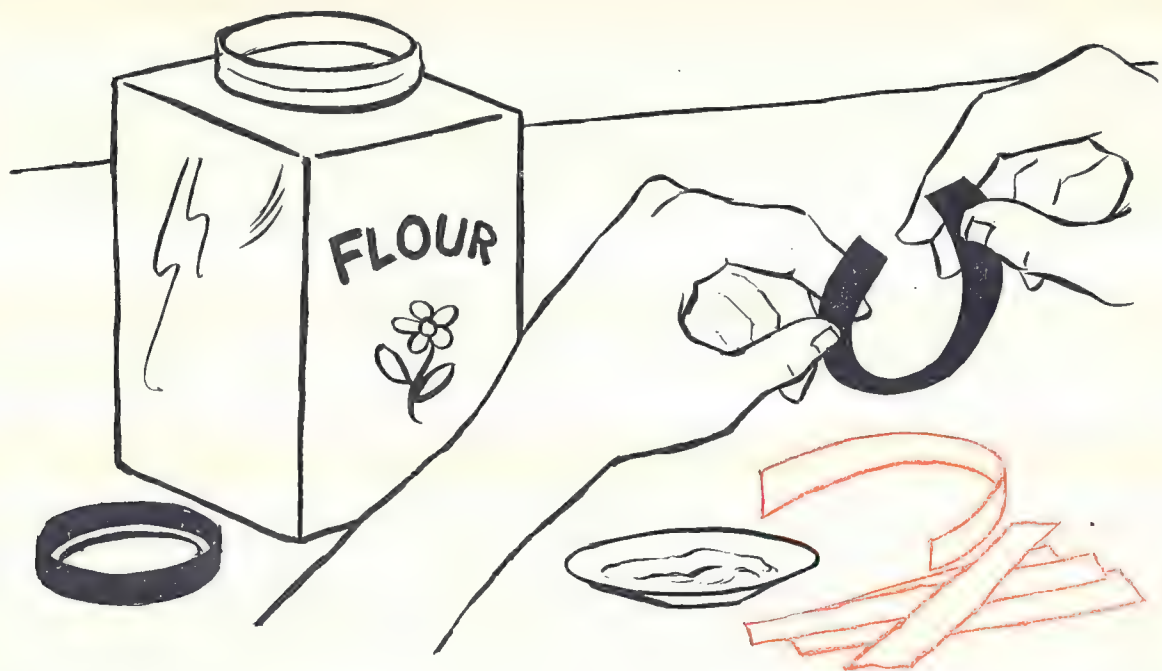
Hold the plane by the underneath fold and sail it through the air.



PAPER CHAINS

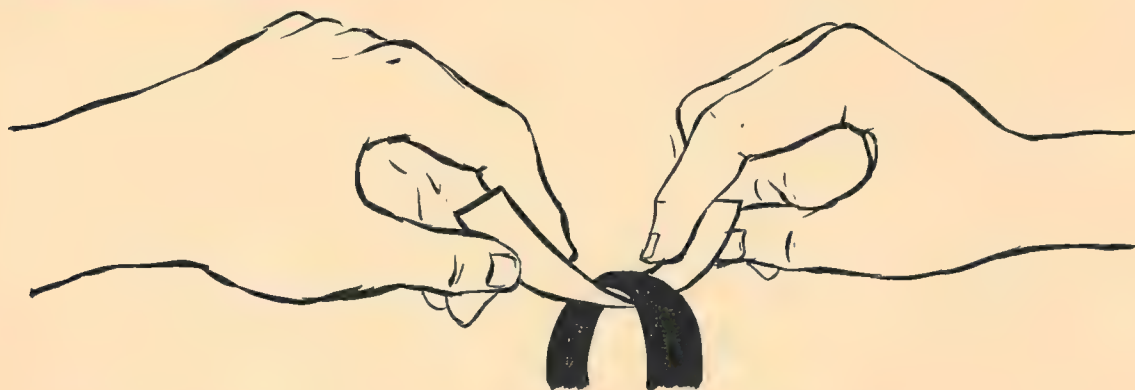
YOU CAN make a bracelet, a necklace, or trim for the Christmas tree. Make them long or make them short. No matter what the colors, these paper chains are fun.

You can use newspaper, colored paper, wrapping paper, or old pieces of wallpaper. Cut out strips of paper about the size of the diagram.



You can use store paste or you can make some out of flour and water. Put several tablespoons of flour in a dish. Add a little water at a time until the flour looks like thick applesauce, and you have paste.

Now make a circle of the first strip of paper and paste the ends together, one over the other. Take a second strip of paper and slip it through the first ring you just finished pasting together. Paste the ends together. Keep going for as long as you would like to make your paper chain.



When you want to complete the circle take one more strip of paper and slip it through the first and last ring of the chain and paste the ends together.

See how many different colors you can make. If you only have newspaper or white paper, color the strips with your crayons. Don't forget to put the scissors, paste and paper away when you are finished.



MAKE A CALENDAR

YOU CAN make your own calendar. Take a piece of paper and draw two equal lines across the top about an inch apart. You will write the name of the month and year in that space. Below that make six rows of seven squares going across. Use the blank calendar on the next page as a guide.

In the first row print the names of the days—*Sun.* for Sunday, *Mon.* for Monday, *Tues.* for Tuesday, *Wed.* for Wednesday, *Thurs.* for Thursday, *Fri.* for Friday, and *Sat.* for Saturday.

Suppose you want to start with January. Look at a printed calendar to find the day of the week that January begins on. If it is Wednesday, start with 1 in the first row under *Wed.* Then continue numbering until you come to 31.

Make sure that you have the right number of days for each month. February has 28, except in 1964, Leap Year, when it has 29 days. Here are the number of days in the other months:

March — 31 days	August — 31 days
April — 30 days	September — 30 days
May — 31 days	October — 31 days
June — 30 days	November — 30 days
July — 31 days	December — 31 days

If a month starts on Friday or Saturday you might not have room for the last one or two days. In that case, divide the first one or two boxes in the last row and put the last days in the lower part of the box. The blank calendar shows you how.

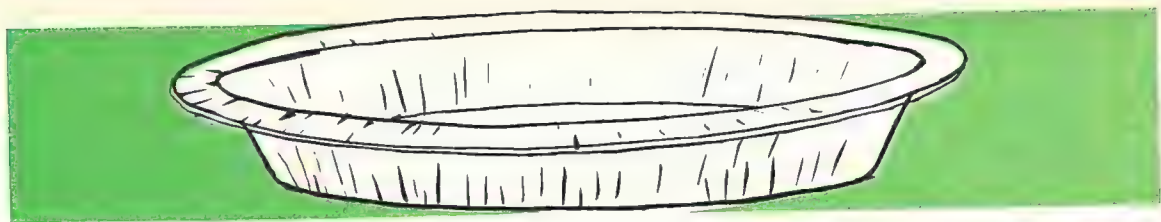
As you finish the calendar for each month, you might want to color the holidays and special days like birthdays, and draw pictures in the blank spaces.

MONTH,		YEAR				
S UN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.

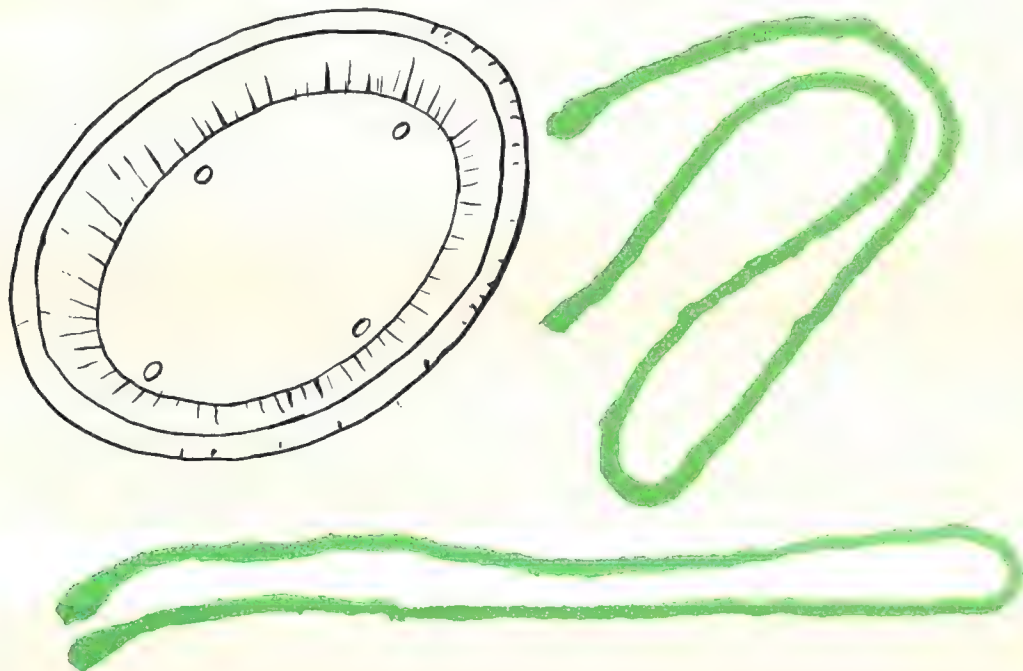
BIRD FEEDING STATION

WHEN WINTER comes and snow covers the ground, it is hard for birds to find food. You can give them a place to eat.

Next time your mother buys some frozen food in a foil plate shaped like the one shown here, ask her to keep it for your bird feeding station.



To make the feeding station, punch four holes through the flat part of the plate in the places shown in the picture. Cut two pieces of cord about the length of this page. Tie a knot on one end of both pieces of string. Pull the ends without the knot through two holes in the foil plate, making sure the cords cross each other like an X.



Knot the other end of each string on the bottom side of the plate. Then take a small piece of string and tie the two loops together where they cross.

Hang the foil plate from a tree limb, an eave, or a window bracket and keep it filled with bread crumbs or bird seed set into peanut butter or melted suet. It will be fun to see how many different kinds of birds pay you a visit.

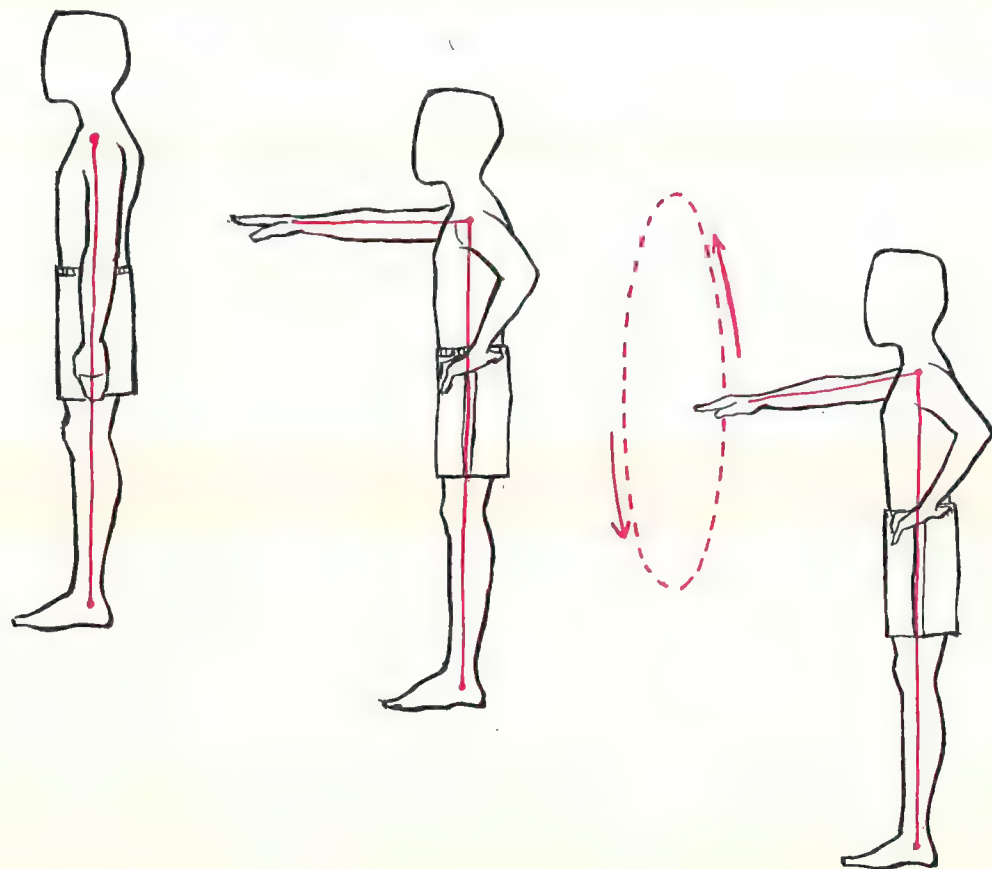


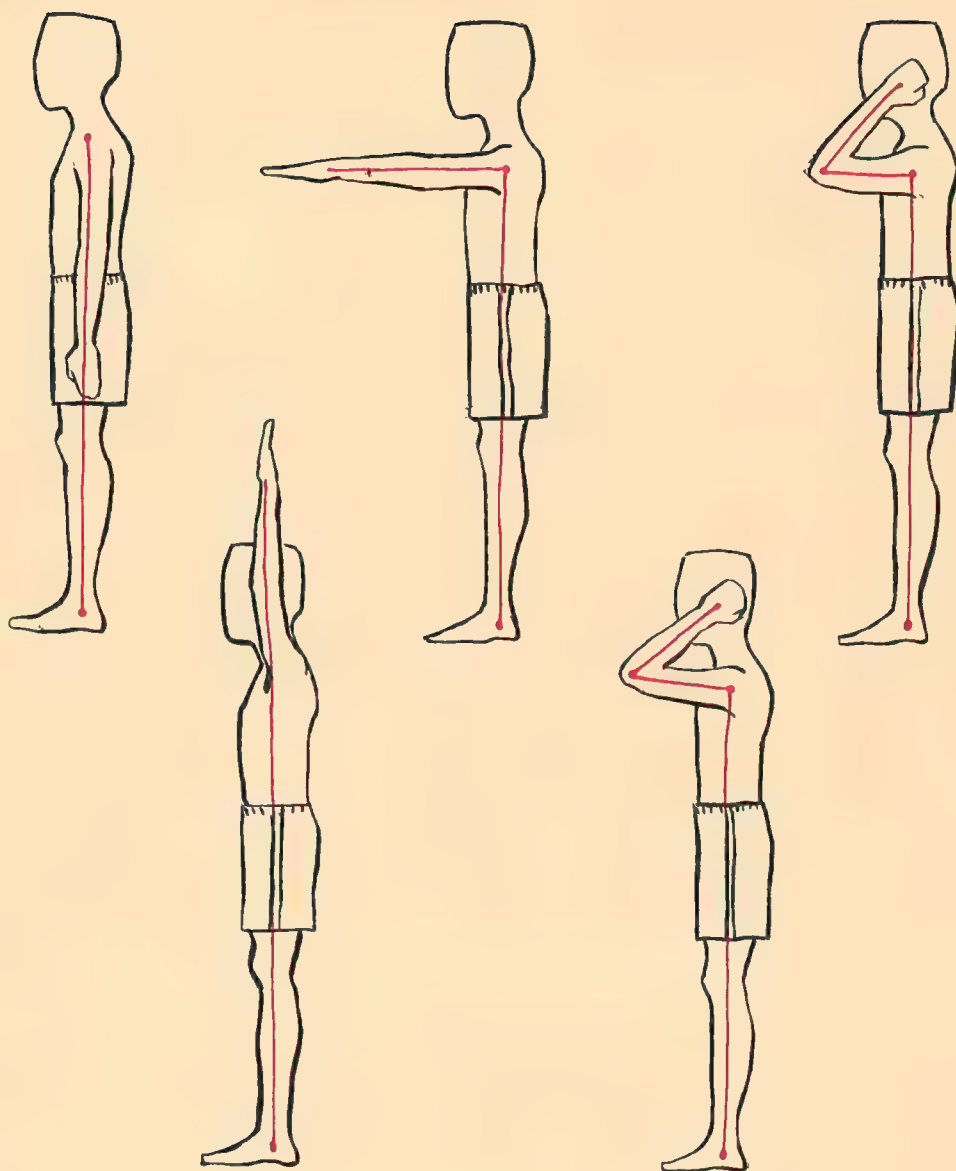
SHOULDER SWING

THIS EXERCISE will keep your pitching arm in good shape and help you stand sure and straight.

Stand with your feet slightly apart. Put one hand on your hip and the other arm straight out from your shoulder. While the arm is held out, draw a big circle in the air. First go from left to right and then from right to left. Now do the same thing with the opposite arm.

With one hand still on your hip, point the other arm straight ahead from your shoulder. Then bring it back and grab your ear. Point straight up from your shoulder and back to your ear. Finish up by dropping the arm straight down at your side. Do it five more times and then change to the other arm.





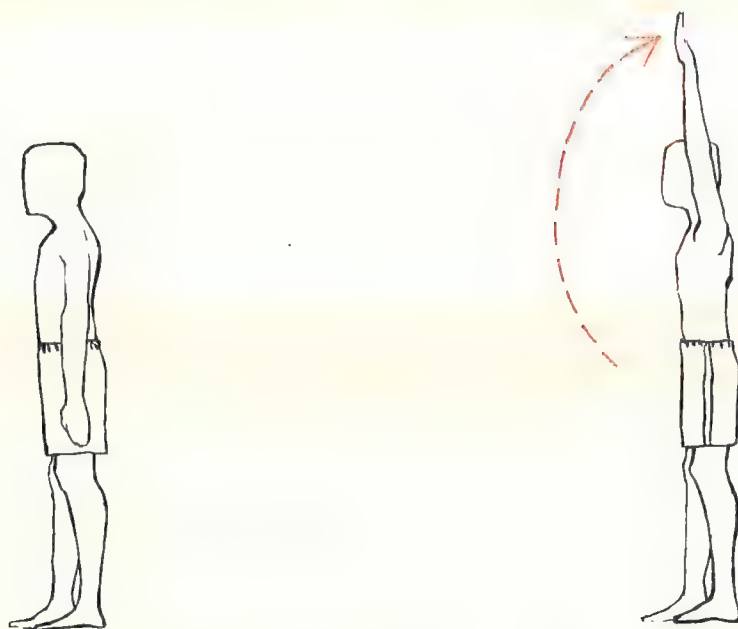
BODY SWING

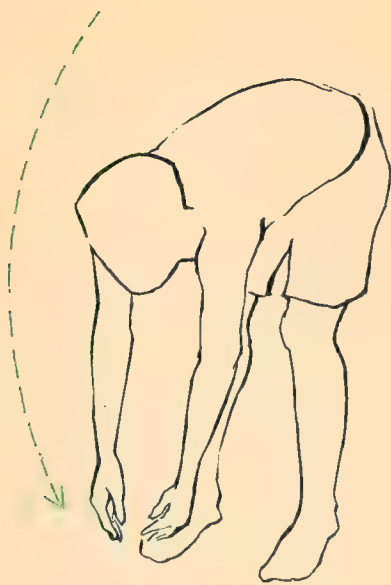
THIS EXERCISE will relax your muscles as well as stretch them.

Stand with your feet slightly apart and one just a little ahead of the other. Weight should be even on both feet.

Pull both arms up over your head. Now just flop over, easily and slowly — you should look like a rag doll! Let everything drop and your arms will swing past your legs. Your knees should relax and have a slight bend.

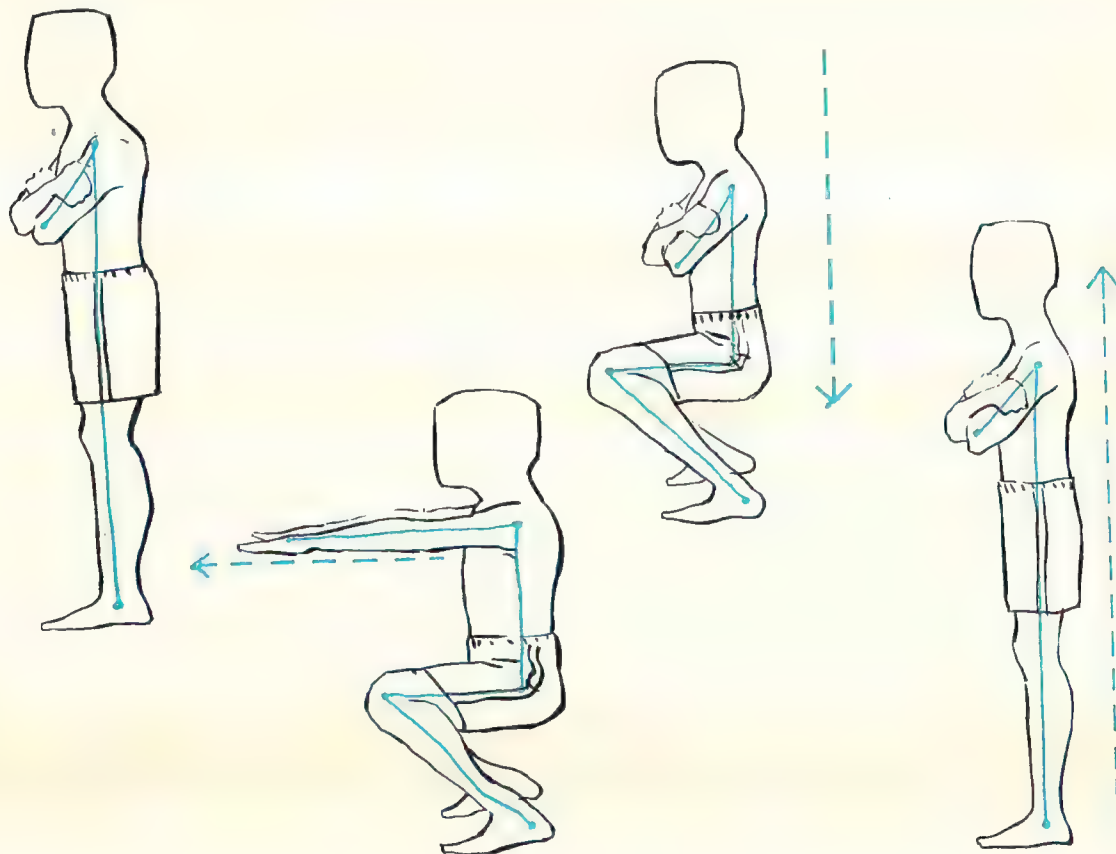
Bring your arms back and let them pull you straight and tall from toes to the top of your head. Keep your heels on the ground and you will feel the stretch all through your body.





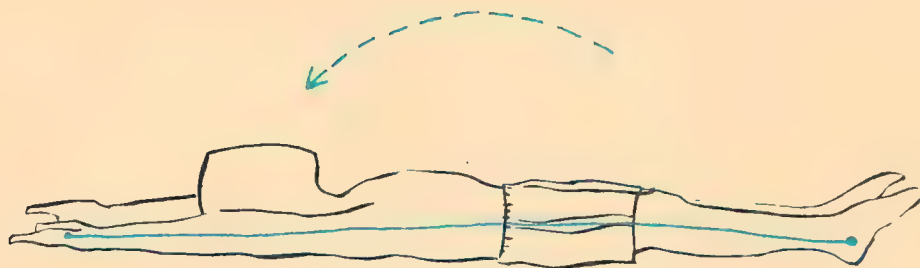
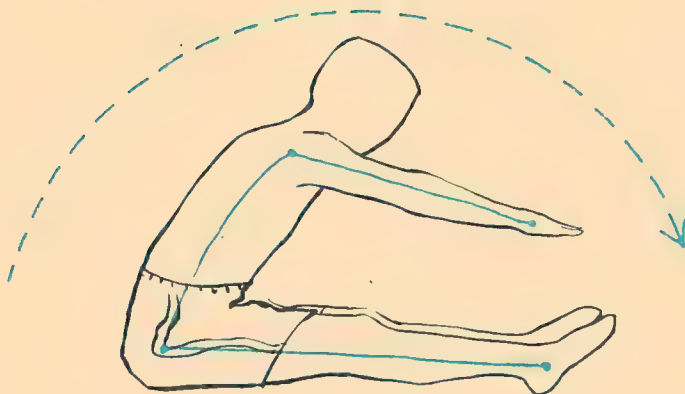
SQUATTING DOWN AND SETTING UP

FOLD YOUR arms across your chest to do this exercise. Drop down in a half squatting position. Keep your feet flat and slightly separated. Now punch your arms straight out. Remember to keep your back nice and straight. Fold your arms back across your chest and stand straight up.



Back down on the floor and stretch out, arms above head, legs out straight, toes pointing the way. Pull up to a sitting position and

keep going, trying to touch your toes. Now, slowly, drop back until you are lying flat on the floor again. Take one or two deep breaths before you try this one again.



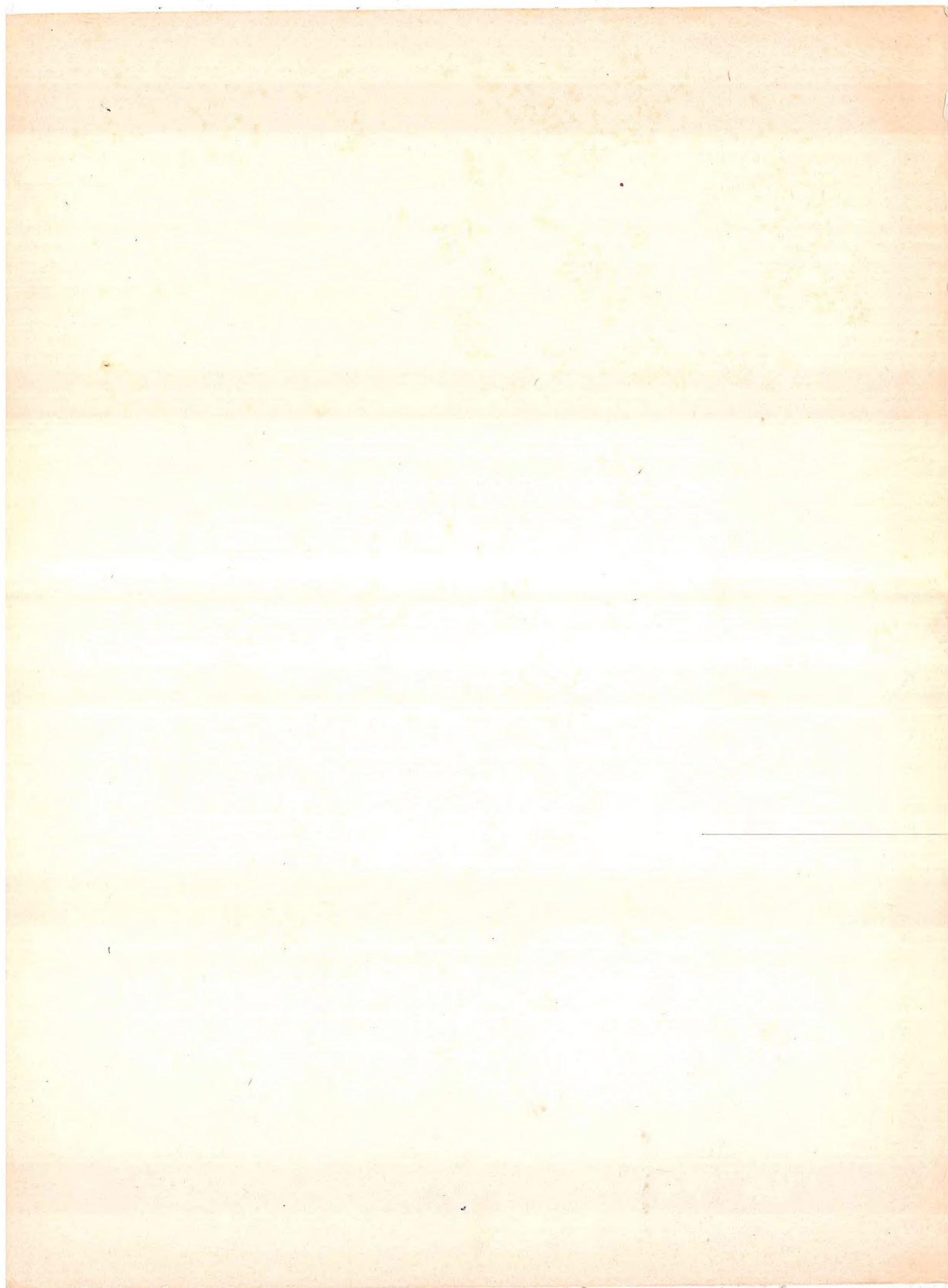


GOODNIGHT

TIMMY is in his pajamas. He's all washed, and his teeth are brushed. Before he can go to bed, he must clean up his room and put all his toys away. Will you help him?

Cut out all the things he must put away and paste them where they belong in the picture on the next page.





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